Sewers (Continued)

Tex., Dallas—City and Dallas Co. plan to build 5300 ft. sanitary sewer in Lancaster Ave. from Ceder Creek outlet to County Detention Home. About $11,686. Work involves 5300 ft. 8 in. vitr. pipe, 335 cu.yd. concrete and 1490 cu.yd. rock trenching. J. F. Witt, Dallas, engr.

Wash., Spokane—City had plans prepared by A. D. Butler, city engr., building down town intercepting sewer in Main Ave. from Lincoln to Stevens Sts., Stevens St. from Main to 1st Aves., 1st Ave. from Stevens to Howards Sts., Riverside Ave. from Stevens to Bernard Sts., Bernard St. from Riverside to Sprague Aves., Washington St. from Riverside to Sprague Aves., etc. About $250,000. Work involves 5934 lin.ft. 33-63 in. concrete pipe, etc. Noted Jan. 9.

Cal., Newport Beach—City cancelled contract for sewerage system let, to J. D. Kneen Contg. Co., Santa Monica. Plans will be revised and new bids taken. Noted Sept. 19.

Cal., Redwood City—City plans to improve sewerage system. About $35,000. Plans include building outfall sewer, sewage pumping plant and macadam road to pumping station. Work involves 3400 lin. ft. 18 in. vitr. pipe. C. E. Dimmick, city engr.

BIDS DESIRED

Ill., Granite City—Until Feb. 8, by Bd. Local Impvts., building 18,000 lin.ft. concrete sewer, 3½-6 ft. diam. E. Hall, 1st Natl. Bank Bldg., engr.; advertised in this issue.

Neb., Lincoln—Until Feb. 1, by city, building 48 in. sewer, rein.-con., brick or segemental block, in O St., from 20th to 23rd Sts.; also 36 in. sewer brick or segemental block in H St. from 5th to 6th Sts. Total length of both 1608 ft. About $10,450.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract.)

N. Y., Long Island City—M. Connolly, pres. Queens Boro., received bids Jan. 15, building sewer in 80th St. from Liberty to Atlantic Aves., Atlantic Ave. from 80th to 76th Sts., 76th St. from Atlantic to 93rd Aves., 93rd Ave. from 76th St. to Elderts Lane, Elderts Lane from 93rd St. to Jamaica Ave., 78th St. from Atlantic to Jamaica Aves. and Jamaica Ave. from Elderts Lane to the Crown, Queens and Brooklyn Boroughs, from H. J. Mullen, Fulton St., Brooklyn, $209,068; U. S. Drainage & Irrigation Co., 17 Battery Pl., New York City, $293,630; J. Jennings Co., 3927 Ferris Ave., New York City, $314,757.

Sewers in Hobson Ave. from Newtown Creek to Hallie Ave., Hobson Ave. from Halle to Jones Aves., Jones Ave. from Clinton Ave. to Laurel Hill Blvd., Laurel Hill Blvd. from Jones to Borden Aves., Montgomery Ave. from Columbine to Jones Ave., Congress Ave. from Laurel Hill Blvd. to Montgomery Ave., Townsend Ave. from Laurel Hill Blvd. to Hobson Ave., Waters Ave. from Hobson to Clifton Aves., Joy Ave. from Montgomery to Clifton Aves., Columbine Ave. from Hobson to Clifton Aves., Clifton Ave. from Water to Columbine Aves., with temporary connection to sewer in Columbine Ave., from Green Contg. Co., 734 Verona Ave., $181,896; F. L. Paino, 67 Bay 47th St., Brooklyn, $218,757; Peace Bros., 20 Main St., Flushing, $220,930.

Sewers in Woodland Ave. from Huntington St. to Beaufort Ave., Beaufort Ave. from Boyd to Hatch Aves., Walker Ave. from Beaufort to Woodhaven Aves., Woodhaven Ave. from Walker Ave. to Fulton St., from A. Paino, 2622 Bath Ave., Brooklyn, $188,801; Ajax Drainage Contg. Corp., 60 Herkimer St., Brooklyn, $199,065; E. W. Fitzpatrick, 244 Jackson Ave., $212,098.

Bridges

PROPOSED WORK

Mass., Boston—Metropolitan Park Comn., 18 Tremont St., applied to State Legislature for appropriation of $170,000 to build bridge over Neponset River from here to Quincy, 70 ft. wide. Total cost, $500,000.

Conn., Stratford (Bridgeport P. O.)—State Highway Comn., Hartford, receives bids in spring building bridge over Housatonic River between Stratford and Milford Twps., Fairfield and New Haven Counties, to replace present Washington Bridge; 700 ft. long, 60 ft. wide, concrete and steel, 5 main arches and 2 approach arches, 44 ft. from curb to curb and 2-8 ft. sidewalks, double trolley tracks in center of bridge. About $350,000. Noted Aug. 15.

N. J., Elizabeth—Bd. Freeholders Union Co. soon receives bids building lift span bridge over Elizabeth River. About $10,000.

Pa., Ellwood—Connoquenessing Bridge Co. authorized by State Water Supply Comn., Harrisburg, to build a bridge across Connoquenessing Creek about 2.5 mi. above mouth and 0.6 mi. easterly from 5th St. bridge.

Fla., Miami—Miami Ocean View Co. soon receives bids building 720 ft. concrete bridge, 22 ft. wide, to connect Star Island with causeway.

Tenn., Knoxville—City election Mar. 11, to vote on bonds to build rein.-con. viaduct over Southern Ry. tracks on Gay St. About $150,000 available. Southern Ry. and Knoxville Ry. & Light Co. will appropriate toward cost. J. B. McCalla, city engr.

O., Columbus—Franklin Co. will have revised plans prepared for bridge over Scotia River on Mound St. because original plans did not take into account fact that bridge crossed river at angle of 45 degrees.

Wis., Janesville—City soon receives bids building 349 ft. bridge over Rock River on Jackson St. C. V. Kerch, city engr. Noted Jan. 17, 1918.

Kan., Lyons—Rice Co. having plans prepared building 500 ft. rein.-con. bridge, 24 ft. roadway. S. Ainsworth, co. engr.

Mont., Helena—See "Streets and Roads."

Mo., Jefferson City—A. Houck, representative, Madison Hotel, plans to introduce bill in State Legislature to build 14 bridges over Little River Diversion of St. Francis D. D. About $500,000.

Mo., Kansas City—City soon receives bids building concrete and steel viaduct over Kaw River on 23rd St., 1600 ft. long, 60 ft. roadway with approach having 40 ft. roadway. City, street railways and railroads whose tracks viaduct will span, will each bear one-third of cost. City voted $250,000 bonds for project.

Ore., St. Helens—Columbia Co. will expend about $40,978 of General Road Fund on bridge work during year.

Cal., San Bernardino—Bd. Supervs. San Bernardino Co. plans to build bridge over Santa Ana River.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Fla., Marianna**—State Rd. Dept., Tallahassee, let contract building 1034 ft. rein.-con. arch bridge, 18 ft. roadway, consisting of seven 110 ft. concrete arches and one 100 ft. clear bascule lift span steel, involving 2279 cu.yd. rein.-con., 2837 cu.yd. concrete, 210 tons steel, 5000 cu.yd. stone, 13,750 lin. ft. wooden piling and 4800 ft. concrete piling, to Masters & Mullen Constr. Co., 601 Electric Bldg., Cleveland, O., for bridge, and to Converse Bridge & Steel Co., Anderson St., Chattanooga, Tenn., for lift. Cost of bridge and lift complete, $187,000. Noted Nov. 21.

★**Ill., Aurora**—Chicago, Burlington & Quincy R.R., 547 West Jackson Blvd., Chicago, will build viaduct on High St. here by day labor. About $3,000,000. A. W. Newton, Chicago, ch. engr.

★**Kan., Girard**—Comrs. Crawford Co. let contract building rein.-con. bridge over Cow Creek near Pittsburg, to include 2 rein.-con. abutments, 2 rein.-con. piers and three 54 ft. rein.-con. girder spans, to J. M. Leeper, State House, Topeka, $18,965. Noted Jan. 9.

Cal., Eureka—State Highway Comn., Forum Bldg., Sacramento, received bids Jan. 13, building timber bridge, 712 ft. long, 21 ft. wide; with concrete trestle approaches at Eureka Slough, Humboldt Co., involving 3360 lin.ft. excav. and backfilling, 902 cu.yd. rein.-con., 112 cu.yd. concrete, 101.9 tons steel, piles and deck on approaches, foundations for draw span, etc., from Mercer Fraser Co., Eureka, $62,850; T. Engelhart, Eureka, $64,500; Duncanson, Harrelson Co., Chronicle Bldg., San Francisco, $68,900. Noted Jan. 9.

★**Cal., Los Angeles**—See "Streets and Roads."

Cal., Los Angeles—State Highway Comn., Forum Bldg., Sacramento, received bids Jan. 13, building 210 ft. rein.-con. bridge, 21 ft. wide, over Santa Clara River, Los Angeles Co., involving 241 cu.yd. Class A Portland cement concrete, all necessary excav. and backfilling, etc., from J. P. Hunter and R. A. Wattson, $8420; H. G. Grunwood, $13,473; both contractors of Los Angeles. Noted Jan. 9.

Structural Steel

PROPOSED WORK

La., New Orleans—See "Buildings."
Wis., Milwaukee—See "Buildings."
Minn., St. Cloud—See "Industrial Works."
B. C., Vancouver—See "Industrial Works."

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Fla., Marianna**—See "Bridges."

Reinforced Concrete

PROPOSED WORK

La., New Orleans—See "Buildings."
Tenn., Knoxville—See "Bridges."
Ind., South Bend—See "Buildings."
Ill., Chicago—See "Miscellaneous."
Kan., Lyons—See "Bridges."
Neb., Columbus—See "Streets & Roads."
Neb., North Platte—See "Streets & Roads."
Neb., Wayne—See "Streets & Roads."
Mo., St. Louis—See "Buildings."
Okla., Miami—See "Waterworks."
Wash., Bremerton—See "Buildings."
Ore., Portland—See "Buildings."
Cal., Sacramento—See "Miscellaneous."
Cal., San Jose—See "Industrial Works."

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Pa., Hamburg**—See "Buildings."
★**Fla., Marianna**—See "Bridges."
Cal., Los Angeles—See "Bridges."

Streets and Roads

PROPOSED WORK

Massachusetts—State Highway Comn., Boston, has been requested to improve roads in Westboro Twp., from Westboro to North Grafton, cost, $10,000; Ware Twp., from Ware to West Brookfield, $7500; Belchertown Twp., $7500; Lunenburg Twp., from Shirley to Leominster, $5000; Great Barrington Twp., from Blandford to Great Barrington, $25,000; Milford Twp., from Hopkinton to Southborough, $10,000; Holland and Brunfield Twps., $5000; Williamstown Twp., from Williamstown to New York line, $50,000; North Brookfield Twp., from North Brookfield to New Braintree, $20,000; Hubbardston Twp., from Gardner to Worcester in Hubbardston and Rutland Twps., $30,000.

Mass., Dedham—A. Wragg, representative, petitioned State Legislature to authorize Metropolitan Park Comn. to lay out streets and complete Dedham Parkway. About $25,000.

Mass., Medford—City applied to State Legislature for authority to borrow $10,000 to rebuild Riverside Ave. and $10,000 for improving Main, Salem and High Sts.

Mass., Woburn—A. Brown, representative, petitioned State Legislature to authorize Metropolitan Park Comn. to acquire land and build extension to Woburn Parkway from Wildwood St., Woburn Twp. to Pond St., Winchester Twp. About $25,000.

N. Y., Penn Yan—Bd. Supervs. Yates Co. requested State Highway Comn., Albany, to improve 6 mi. Crystal Springs Valley Rd. from Rapalee bridge, Barrington Twp. through Barrington, Tyrone and Wayne Twps.

New Jersey—State Highway Comrs., State House, Trenton, plan to build about 50 mi. state highways during year. About $1,980,851 will be expended. W. G. Thompson, engr.

N. J., Jersey City—Hudson Co. Blvd. Comn. appropriated about $231,000 to improve both ends of Boulevard.

N. J., Newton—Bd. Freeholders Sussex Co. plans to expend about $40,000 to improve roads throughout county.

N. C., Durham—City receives bids in spring paving 1½ mi. road. H. W. Kueffner, city engr.

S. C., Charleston—Sanitary & Drainage Comn. requested Comrs. Charleston Co. to authorize $1,000,000 bond issue to build 50 mi. road in county.

Ga., Dublin—Comrs. Laurens Co. plan to issue $500,000 bonds for building roads in county.

Fla., Miami Beach—City plans to issue $50,000 bonds for repairing and paving all cross streets.

Ala., Selma—Bd. Revenue Dallas Co. soon receives bids resurfacing Benton Rd. between here and Safford, about 51 mi. long. W. M. Vaughan, judge.

Miss., Grenada—Bd. Supervs. Grenada Co. receive bids in February building roads in Dist. No. 4. M. E. Powell, clk.

Streets and Roads (Continued)

La., New Iberia—City plans to pave various streets. About $150,000 available for work. J. B. McGrary, 3rd Natl. Bank Bldg., Atlanta, Ga., engr.

O., Circleville—Comrs. Pickaway Co. and State Highway Comn. Columbus, receive bids in spring grading and paving Columbus-Washington C. H. Rd., I. C. H. No. 50, Darby Twp. C. Cowen, Stoneman Bldg., Columbus, state highway comr.

O., Cleveland—Comrs. Cuyahoga Co. having plans prepared by W. A. Stinchcomb, co. engr., paving and widening Lake Shore Blvd. from Euclid Twp. to county line, from 60 ft. to 100 ft. About $300,000.

O., Rocky River—Comrs. Cuyahoga Co. (Cleveland) plan to repave West Lake Rd., bithulithic concrete. About $187,000. W. A. Stinchcomb, co. engr.

Mich., Greenville—Comrs. Montcalm Co. (Stanton) had estimates made by F. H. Rogers, state highway engr., Lansing, for 2 mi. concrete road from here west. Eureka Twp., 14 ft. wide, involving 16,500 sq.yd. concrete. About $50,000.

Mich., Jackson—Bd. Supervs. Jackson Co. plans election in April to vote on $1,400,000 bonds to pave and gravel roads.

Mich., Pontiac—Oakland Co. Rd. Comn. receives bids about Mar. 1, building 21 mi. concrete roads including bridges and culverts. About $630,000. P. M. Law, eng. Noted Jan. 2.

Mich., Pontiac—Oakland Co. plans to build 3 mi. gravel road in Commerce Twp., 3 mi., Brandon Twp., 1½ mi., Holly Twp., also ½ mi. Franklin Rd., 4 mi. Grand River Rd., Lyon Twp., 4 mi. Baldwin Ave., Orion Twp., 4 mi. Davidsburg Rd., Rose Twp. About $250,000. P. M. Law, co. engr.

Ill., Belleville—St. Clair Co. and East Side Levee & Sanitary Dist. Bd., East St. Louis, plan to build hard road from East St. Louis to Venice, Madison and Granite City. D. O. Thomas, co. supt. highways.

Wis., Milwaukee—Comrs. Milwaukee Co. plan to build 3 boulevards across county along Oklahoma Ave. and Lake and 35th Sts. to cover 30 mi. roadway.

Minnesota—State Highway Comn., St. Paul, plans to pave road from St. Paul to Duluth and from St. Cloud to Fergus Falls, gravel, total length 175 mi. About $450,000 and $400,000 respectively. C. M. Babcock, rd. engr.

Minnesota—State Highway Comn., St. Paul, receives bids in March paving with gravel 4 mi. Jefferson Highway, south from St. Paul. About $100,000. C. M. Babcock, rd. engr. Noted Jan. 17, 1918.

Kan., Larned—Pawnee Co. had preliminary surveys made for paving Santa Fe Trail with brick on concrete base, 23 mi. long, 18 ft. wide. Black & Veatch, 507 Interstate Bldg., Kansas City, Mo., engrs. Noted May 9.

Kan., Lawrence—Douglas Co. had plans prepared for 18½ mi. Fort to Fort Highway, 18 ft. wide, concrete. About $445,000. L. Duffee, co. engr. Noted Dec. 19.

Kan., Lindsborg—City having plans prepared for 2 mi. brick paving. H. A. Rowland, McPherson, engr.

Neb., Columbus—Comrs. Platte Co. (Columbus) and Madison Co. (Madison) receives bids in March building 48.1 mi. road from Norfolk to Columbus, 24 ft. wide. About $104,455. Work involves 212,031 cu.yd. earth excav., 16,795 yd.-mi. sand clay and 265 cu.yd. rein.-con. culverts.

Neb., Lincoln—Comrs. Lancaster Co. receive bids in March building 4 mi. O St. from west county line 4 mi. east, 24 ft. wide. About $19,250; cost to be borne by county, State and Federal Government. Work involves 50,000 cu.yd. earth excav.

Neb., North Platte—Comrs. Lincoln Co. receive bids in March building 19.2 mi. road from North Platte to Sutherland, 24 ft. wide. About $43,028. Work involves 102,711 cu.yd. earth excav., 124 cu.yd. rein. con. culverts.

Neb., Wayne—Comrs. Wayne Co. (Wayne) and Cedar Co. (Hartington) receive bids in March building 38.2 mi. road from Wayne to Coleridge, 24 ft. wide. About $105,676. Work involves 232,531 cu. yd. earth excav., 318 cu.yd. rein.-con. and bituminous concrete culverts.

South Dakota—State Highway Comn., Pierre, plans to build roads throughout state. Total cost $3,650,000. State will appropriate $400,000 toward cost. Federal Government $500,000 and counties $2,750,000. F. S. Peck, state highway engr.

Montana—State Highway Comn., Helena, completed surveys for following Federal-Aid projects:

Blaine Co., Chinook-Havre Rd., 5 mi. gravel road surfaced, 9 ft. wide, 6 in. thick, $19,447; Chinook-Havre Rd., 3 mi. gravel road surfaced, 9 ft. wide, 6 in. thick, $10,472; Chinook-Havre Rd., Milk River Bridge, 295 ft. span, $20,900; Chinook-Malta Rd., 5 mi. gravel road surfaced, 9 ft. wide, 6 in. thick, $15,398; Chinook-Malta Rd., 6 mi. gravel road surfaced, 9 ft. wide, 6 in. thick, $22,000.

Broadwater and Gallatin Counties, Three Forks-Helena Rd., 3.75 mi. earth graded road and 2-span combination bridge, total length 280 ft., $21,686.

Carbon Co., Billings-Cody Way, 3 mi. gravel road surfaced, 16 ft. wide, 8 in. thick, $22,000; Billings-Cody Way, Sec. 2, (Survey not made), 3 mi. gravel road surfaced, 16 ft. wide, 8 in. thick, $22,000.

Cascade Co., Sun River Rd., 18 mi. of gravel road surfaced, 16 ft. wide, 8 in. thick, $77,933.

Custer Co., Tongue River Rd., 4 mi. gravel road surfaced, 16 ft. wide, 8 in. thick. 8500 cu.yd. excav., $22,000; Tongue River Rd., Sec. 2, 4 mi. gravel road surfaced, 16 ft. wide and 8 in. thick, 10,500 cu.yd. excav., $22,000.

Fergus Co., Grassrange-Roundup Rd., Sec. 1, 9.5 mi. earth graded road, $20,000; Grassrange-Roundup Rd., Sec. 2, 8 mi. earth graded road, $20,000; Grassrange-Roundup Rd., Sec. 3, 7 mi. earth graded road, $20,000.

Madison Co., Virginia City-Ennis Rd., 10 mi. earth graded road, $22,800; Cardwell-Harrison Rd., Sec. 1, 7.5 mi. gravel or sand-clay construction, $22,000; Cardwell-Harrison Rd., Sec. 2, 7.5 mi. gravel or sand-clay construction, $22,000.

Meagher Co., North Fork Rd., 10.5 mi. earth graded road, $24,090.

Missoula Co., Ronan Project, 7 mi. gravel road surfaced, 9 ft. wide, 6 in. thick, $19,899; St. Ignatius Project, 7 mi. gravel road surfaced, 9 ft. wide, 6 in. thick, $19,925.

Missoula Co., Marshall Grade, 0.5 mi. earth grading, $14,355.

Musselshell Co., Roundup-Farrall Rd., 5 mi. gravel road surfaced, 9 ft. wide, 6 in. thick, $21,658.

Park Co., Yellowstone Trail, Carter Bridge, 270 ft. span, probable three 90 ft. concrete arches, $33,210; Yellowstone Trail, 3.6 mi. gravel road surfaced, 16 ft. wide, 8 in. thick, 11,000 cu.yd. excav., $21,903; Yellowstone Trail, 3.1 mi. gravel road surfaced, 16 ft. wide, 8 in. thick, 8000 cu.yd. excav., $21,320.

Ravalli Co., Bitter Root Project, 6 mi. gravel road surfaced, 9 ft. wide, 6 in. thick, $19,174; Bell Crossing Bridge over Bitter Root River, 240 ft. span with approaches, $21,000.

Wibaux Co., Red Trail, 3.4 mi. gravel road surfaced, 9 ft. wide, 6 in. thick, $14,000; Red Trail, 4.1 mi. gravel road surfaced, 9 ft. wide, 6 in. thick, $15,000; Black Trail, Sec. 1, 7 mi. gravel road surfaced, 9 ft. wide, 6 in. thick, $22,000; Black Trail, Sec. 2, 7 mi. gravel road surfaced, 9 ft. wide, 6 in. thick, $22,000.

Yellowstone Co., Huntley Bridge Project, five 190 ft. steel spans, $95,000; earth graded approaches, $7500; river protection works, $47,500.

Montana—State Highway Comn., Helena, completed plans for following Federal-Aid projects:

Blaine Co., Chinook-Malta Rd., 4.25 mi. gravel road surfaced, 9 ft. wide, 6 in. thick, $20,000.

Broadwater Co., Toston Bridge, three 175 ft. steel spans, 16 ft. roadway, approaches include 4500 cu.yd. of earth, $65,192.

Park Co., Yellowstone Trail, 4.25 mi. gravel road surfaced, 16 ft. wide, 8 in. thick, 7000 cu.yd. excav., $19,800.

Rosebud Co., Yellowstone Trail, 3.56 mi. gravel road surfaced, 16 ft. wide, 8 in. thick, 15,000 cu.yd. excav., $22,000; Forsyth-Ashland Rd., 4 mi. gravel road surfaced, 16 ft. wide, 8 in. thick, 11,000 cu.yd. excav., $20,000.

Wibaux Co., Red Trail, Dawson Co. line east, 4.6 mi. gravel road surfaced, 9 ft. wide, 6 in. thick, 17,000 cu.yd. excav., cost, $22,000; Red Trail, City of Wibaux east, 5.1 mi. gravel road surfaced, 9 ft. wide, 6 in. thick, 14,000 cu.yd. excav., $22,000.

Montana—State Highway Comn., Helena, authorized construction work on following Federal-Aid roads:

Big Horn Co., Hardin-Custer Rd., 2.02 mi. gravel road surfaced, 18 ft. wide, 9 in. to 12 in. thick, about 4000 cu.yd. excav., $12,532.

Carbon Co., Black and White Trail, 2.69 mi. gravel road surfaced, 10 ft. wide, 6 in. thick, about 19,000 cu.yd. excav., $17,551.

Dawson Co., Red Trail, east of Glendive, 7.5 mi. gravel road surfaced, 9 ft. wide, 6 in. thick, about 12,000 cu.yd. excav., $21,940; Red Trail, west of Glendive, 9 mi. gravel road surfaced, 9 ft. wide and 6 in. thick, about 9500 cu.yd. excav., $21,368.

Montana—State Highway Comn., Helena, applied to U. S. Government for aid in constructing following highways:

Flathead Co., Kalispell-Ovando Rd., 9 mi. earth graded road, $15,895.

Powell Co., Drummond-Ovando Rd., Sec. 1, 5 mi. road surfaced with gravel, $15,000; Drummond-Ovando Rd., Sec. 2, 5 mi. road surfaced with gravel, $15,000.

Sheridan Co. Culbertson-Medicine Lake Rd., Sec. 1, 14.5 mi. earth graded road, $18,087; Culbertson-Medicine Lake Rd., Sec. 2, 16.5 mi. earth graded road, $17,313.

Yellowstone Co., Billings-Huntley Rd., 4.5 mi. road surfaced with gravel, $18,000; Worden-Pompey's Pillar Rd., 5 mi. road surfaced with gravel, $20,000.

Mont., Bozeman—Gallatin Co. plans to build following roads during year:

2.75 mi. gravel road on Sour Dough Rd. near Bozeman. Cost, $13,500.

5 mi. gravel road, Salesville south on Gallatin Canyon Rd. $25,000.

2.75 mi. gravel road north of Belgrade—Federal aid has been asked on this road through State Highway Com. $13,750.

1 mi. gravel road east of Belgrade. $5000.

2 mi. gravel road north of Belgrade—Federal aid has been asked on this road through State Highway Com. $10,000.

5 mi. gravel road south of Manhattan—Federal aid has been asked on this road through State Highway Com. $25,000.

0.5 mi. gravel road west of Logan. $2500.

3.5 mi. gravel road south of Three Forks. $17,500.

2 mi. gravel road near town of Willow Creek. $10,000.

0.75 mi. gravel road north of Willow Creek. $3750.

2 mi. gravel road Bozeman-Salesville Rd. $10,000.

1.5 mi. east of Central Park, hard surface road. $30,000.

3 mi. hard surface road west of Central Park. $60,000.

1 mi. hard surface road east of Manhattan. $20,000.

2.2 mi. hard surface road north of Three Forks. $44,000.

1 mi. of hard surface road east of Willow Creek. $20,000.

Mo., Jefferson—A. Gardner, governor, recommended that State Legislature re-appropriate $1,218,215 to State Highway Comn. to complete 122 road building projects approved, but deferred by the war.

Ark., Hot Springs—City soon lets contract for 5 mi. cement and 5 or 6 mi. macadam paving on Arkadelphia Highway, cost, $150,000; also 60 mi. asphalt paving on Little Rock and Hot Springs Highway. F. A. Stearns, comr.

Tex., Madisonville—Comrs. Madison Co. soon let contract building 21 mi. road. J. E. Webb, co. judge.

Utah—State Highway Comn., Salt Lake City, plans to build Federal Aid Projects during coming year as follows:

Project 2, 9.25 mi. Ogden Hooper Rd., cost, $61,340; project 4, 63 mi. Price Emery Rd., $109,923; project 5, 35 mi. Thompson-Moab Rd., $50,686; project 6, 24 mi. Moab-La Sal Junction Rd., $34,755. I. R. Browning, engr.

Wash., Seattle—Street Com. recommended paving and grading Wilson Ave. through Rainier Valley Dist. About $233,620. A. H. Dimock, city engr.

Wash., Spokane—Spokane Co. prepared plans paving and improving 4½ mi. Sunset Blvd. and 4½ mi. Apple Way. About $200,000. Work will be done if State Legislature appropriates toward cost. A. R. Scott, co. engr.

Wash., Yakima—Yakima Co. plans to build 3½ mi. road from Sunnyside to Outlook, cost, $80,000 and 3 mi. road from Parker to Pilands bridge, cost, $60,000.

Wash., Yakima—Yakima Co. soon receives bids building 7½ mi. road to Naches. About $225,000.

Wash., Waterville—Douglas Co. plans to build about 40 mi. highway during year, including grading 30 mi. road, cost, $6000 per mi. R. L. Richards, co. engr., preparing plans for 7½ mi. road between Farmer and Winthrop. County and State work will total about $250,000.

Oregon—Representatives from various counties asked State Highway Comn., Portland, to improve roads as follows:

Wheeler Co., Fossil, graveling 2 mi. John Day highway, at Service Creek Hill, cost $33,000.

Sherman Co., Moro, grading 10 mi. highway from Moro to Wasco, $30,000; county and state to bear ½ of cost.

Multnomah Co., Portland, paving road from Canyon to Beaverton. County will complete Canyon Rd. to county line.

Tillamook Co., Tillamook, hard surfacing road between Hebo and Sulphur Springs and widening same 7 ft.; ½ of cost to be borne by county.

Streets and Roads (Continued)

Oregon—State Highway Comn., Salem, soon receives bids for (a) paving from Multnomah Co. line at Bertha to Hillsboro and Beverton; (b) from Josephine Co. line to Grants Pass; (c) from Polk Co. line to Corvallis; (d) grading and graveling Columbia River Highway across Morrow Co., (e) grading from Stage Coach Pass, north, near Glendale, in Douglas Co., (f) from Yoncolla to Drain; (g) overhead crossing on Douglas Lane Co. lines at Divide; (h) at Comstock, at Pass Creek Canyon. Highway Comn. will pave 7.7 mi. road from Albany to Jefferson in Linn Co., and 10¾ mi. in Benton Co. from Corvallis to Polk Co. line if counties will do grading. Noted Dec. 26.

Ore., Astoria—A. S. Tee, acting city engr., submitted report to City Council recommending improvements to following streets: Exchange St. from 17th to 23rd Sts., to portion street between 38th and 43rd Sts., Commercial St. from 37th to 43rd Sts., branch road from Columbia Highway to Astoria; also part of sewer systems in Nos. 9 and 10 and outlet to Sewer Dist.

Ore., Prineville—Crook Co. having surveys made for building Crooked River Rd. About $190,000. State and county will each bear ⅓ of cost.

Ore., St. Helens—Columbia Co. levied 10 mill road tax and will expend about $95,000 on road work in county during year.

California—State Highway Comn., Sacramento, will ask State Legislature to appropriate $5,000,000 for coast highway from Santa Barbara to San Diego, concrete base. A. B. Fletcher, state highway engr.

California—State Highway Comn., Forum Bldg., Sacramento, soon receives bids grading 8 mi. and building 3 mi. concrete base roads between Oakdale and East Co. lines near Nights Ferry, Stanislaus Co.; also concrete road through Rockland Twp. and unpaved gap near Penryn, Placer Co. A. B. Fletcher, engr.

Cal., Fresno—C. Dillon, city clk., receives bids about March, grading, oiling and curbing 1 mi. Trinity Ave. C. Murray, city engr.

Cal., Holtville—City Trustees plan to form 2 paving districts. Dist. No. 1 will encompass portions 5th, 6th, Palm, Pine and Holt Sts. and involve 252,220 sq.ft. paving; Dist. No. 2, portions 6th, 7th, Olive, Pine, Palm and Holt Sts. and involve 244,800 sq.ft. paving.

Cal., Los Angeles—Los Angeles Co. having plans prepared by F. H. Joyner, co. engr., building 22 mi. highway through Malibu ranch north of Santa Monica. Project includes heavy grading, concrete head walls, building c. i. culverts, timber bridges, etc.

Cal., Martinez—City plans extensive improvements to various streets.

Cal., Santa Ana—Bd. Supervs. Orange Co. having plans prepared by E. L. McBride, co. surv., grading, widening and paving 3.65 mi. Santa Ana-Canyon Rd., concrete; paving 1⅛ mi. East 17th St. near Santa Ana; grading, surfacing and oiling ¼ mi. Magnolia Ave. west of Fullerton.

Ont., Listowel—Town plans to extend pavements. About $15,000.

BIDS DESIRED

N. Y., Albany—Until Feb. 18, by W. W. Wotherspoon, supt. pub. wks., building certain parts of approach from Court St. and South Ave. to Barge Canal Terminal at Rochester, Contr. 57, involving 13,000 cu. yd. excav. 12,650 cu. yd. forming embankment, 42 cu.yd. 1-1 1: 2: 3 rein.-con., 1340 cu.yd. 1st class rein.-con., 180 cu.yd. 2nd class concrete in column bases, 2285 cu.yd. 2nd class concrete except as provided for by previous item No. 5, 23,000 ft. b.m. timber in temporary cribs and fender, 143 cu. yd. stone filling for cribs, 294,000 lb. metal reinforcement, 7000 lb. c. i. drains and outlet pipes, 126 lin. ft. pipe railing, 1525 lb. metal duct, 796 lin. ft. 3 in. fibre duct, 120 lin. ft. 10 in., 163 lin. ft. 12 in. and 168 lin. ft. 15 in. vitr. pipe and specials, 1675 sq. yd. brick pavement, 24,200 sq. ft. waterproofing concrete, 167 lin. ft. drilling holes in existing masonry, 500 lin. ft. pointing masonry, etc. About $131,003.

N. Y., New York—Until Jan. 29, by M. E. Connolly, pres. Queens Boro., regulating and grading roadway and setting curb, regulating and grading sidewalk and laying sidewalks where not already laid, together with all work incidental thereto, in 88th Ave. from 102nd to 104th Sts.; regulating, grading, curbing, laying sidewalks and paving Hancock St. from Wyckoff Ave. to Evergreen branch of Long Island R.R., sheet asphalt on 6 in. concrete base; regulating, grading, curbing and laying sidewalks in 124th St. from Metropolitan to Jamaica Aves., 125th St. from Jamaica to 89th Aves., 150th St., from Beaver Rd. to South Rd., Barclay Ave. from Parsons Blvd. to 147th St., Emerson St. from Freedom Ave. to Oxford St., Delaware Ave. from Parsons to 147th Aves., 153rd St. from Northern Blvd., to 34th Ave., Gates Ave. from Grandview to Forest Aves., Grove St. from Prospect to Forest Aves., Armand Pl. from Walter St. to point southwest, 102nd St. from Jamaica Ave. to Park Lane, S., 123rd St. from point north of 85th to 89th Aves.

N. J., Rumson—Until Feb. 20, by Boro. Council, improving Rumson Rd., bituminous surface on concrete foundation, involving 29,175.55 sq.yd. surface pavement and 5203.8 cu.yd. foundation. G. K. Allen, 60 Broad St., Red Bank, engr.; advertised in this issue.

W. Va., Hamlin—Until Feb. 20, by Lincoln Co. hard surfacing portion Hamlin-West Hamlin Rd. from Sta. 196 to Sta. 292; Hamlin-Griffithsville Rd. from Main and Lynn Sts. in Hamlin Twp., extending 6½ mi. toward Griffithsville; Mud River Rd. from Hamlin-West Hamlin Rd. extending 3 mi. up main Mud River, 14 ft. wide; grading portion Mud River Rd. from end of Adkins & Adkins contract extending 3 mi. to east end Palermo Bridge; Valley Fork Rd. from Oil Field Natl. Bank in Griffithsville Twp., extending 3 mi. up Valley Fork; Alum Creek-Griffithsville Rd. from South end Alum Creek Bridge extending 4 mi. up Fuquays Creek; Hamlin-Huntington Rd. from Hamlin-West Hamlin Rd. extending 3 mi. toward Huntington to intersection of Lincoln-Cabell Co. line; Guyan River Rd. from Hager & Hager contract at mouth of Ten Mile Creek extending 3 mi. to Ranger. A F. Black, co. clk.; advertised in this issue.

W. Va., Philippi—Until Feb. 17, by Barbour Co., building 3.2 mi. Fairmont and Beverly Turnpike, Federal Aid Project No. 16, 14 ft. wide, also 2.85 mi. Junior Rd., 14 ft. wide, both bituminous macadam. S. F. Hoffman, clk.; advertised in this issue.

W. Va., Ripley—Until March 4, by Jackson Co., grading and draining 2 sections of 1 course concrete road, 1 mi. each. J. S. Chase, co. rd. engr.

Indiana—By Bd. Co. Comrs. building roads in following counties:

Feb. 3—Warren Co., Williamsport, 9588 ft. road, Liberty Twp.; 5900 ft. gravel road, Pine and Adams Twps.; 5349 ft. gravel road, Pine Twp. W. H. Stephens, aud.

Decatur Co., Greensburg, 38,485 ft. roads, Salt Creek, Fugit and Marion Twps. J. C. Barbe, aud.

Orange Co., Paoli, 6876 ft. road, Northeast and Orleans Twps. P. M. Stephenson, aud.

Ripley Co., Versailles, crushed stone road, Franklin Twp., J. F. Lochard, aud.

Jennings Co., Vernon, crushed stone road, Campbell Twp. E. Bemish, aud.

Feb. 4—Montgomery Co., Crawfordsville, 7233 ft. gravel and crushed limestone road, Scott Twp.; 25,900 ft. gravel road, Walnut and Coal Creek Twps. W. F. Batman, aud.

Hamilton Co., Noblesville, 4 roads, Noblesville, Adams and Wayne Twps. H. O. Cottingham, aud.

Fountain Co., Covington, gravel and stone road, Troy, Fulton, Wabash, Cain, Shawnee, Mill Creek, Richland and Van Buren Twps. H. W. Newlin, aud.

Carroll Co., Delphi, gravel and macadamized road, Clay Twp. H. D. Good, aud.

Clinton Co., Frankfort, brick roads, Center and Jackson Twps. E. Spray, aud.

Feb. 5—De Kalb Co., Auburn, 2 concrete roads, Union Twp. S. P. Nelson, aud.

Huntington Co., Huntington, road in Dallas Twp. O. E. Eviston, aud.

Feb. 11—Pike Co., Petersburg, stone and gravel road, Jefferson Twp. W. F. Risely, aud.

Feb. 18—Allen Co., Ft. Wayne, gravel road, between Milan and St. Joseph Twps. W. Johnson, aud.

Ia., Davenport—Until Feb. 18, by Bd. Pub. Wks., grading, paving and curbing following streets and alleys with asphaltic concrete, brick or bitulithic:

Arlington Ave. from south line Columbia Ave. to south line South Ave. Cost. $8003.

Alma Ave. from north line 5th St. to south line Taney St. $11,667.

Ainsworth St. from north line 5th St. to south line Marshall St. $11,067.

Belle Ave. from north line Locust St. to south line Elm St. $12,716.

Bowditch St. from west line Lincoln Ave. to east line Linwood Ave. $3601.

Bridge Ave. from north line High St. to north line Nicholas Ave. $12,412.

Clark St. from north line Rockingham Rd. to south line Telegraph Rd. $32,975.

Columbus Ave. from north line Prospect Lane to south line Eddy St. $2476.

Cedar St. from north line 6th St. to south line Telegraph Rd. $7241.

Claussen St. from east line Hancock Ave. to point 125 ft. east. $1524.

Carey Ave. from north line High St. to south line Henry St. $7374.

Davie St. from north line Prairie St. to south line Locust St. $4952.

Davie St. from north line 6th St. to south line 7th St. $3663.

Division St. from north line South Ave. to south line Prairie St. $23,262.

Eastern Ave. from south line Kirkwood Blvd. to south line of High St. $18,347.

Elm St. from east line Eastern Ave. to west line of Jersey Ridge Rd. $27,220.

8th St. from east line Grand Ave. west to end of paving. $2217.

Elmwood Ave. from north line Rockingham Rd. to south line McKinley Ave. $8408.

Eola St. from north line Prairie St. to south line Locust St. $4095.

Eddy St. from east line Mississippi Ave. to east line Spring St. $14,640.

Fair Ave. from south line 13th St. to south line 31st St. $4029.

Grand Ave. from north line Henry St. to south line South Ave. $25,710.

Gaines St. from north line Locust St. to north line Lombard St. $16,894.

Grand Court from east line Grand Ave. to west line of Carey Ave., and Park Court from High to Henry St. $26,483.

Grant St. from east line Harrison St. to west line Main St. $1686.

High St. from east line Iowa St. to west line Farnam St. $6065.

Hayes St. from east line Harrison St. to west line Brady St. $13,169.

Henry St. from west line Bridge Ave. to west line Eastern Ave. $21,578.

Howell St. from north line Union St. to south line Locust St. $7315.

Hancock Ave. from west line Lincoln Ave. to west line Linwood Ave. $4513.

Hildreth St. from north line Eddy St. to south line Fulton Ave. $2554.

Hancock Ave. from east line Lincoln Ave. to north line Rockingham Rd. $15,173.

Harris St. from north line 5th St. to south line 7th St. $4842.

Koester Ave. from east line Western Ave. to west line Scott St. $2295.

Locust St. from east line Carey Ave. to west line Eastern Ave. $28,230.

Locust St. from east line Eastern Ave. to east line Jersey Ridge Rd. $30,984.

Lombard St. from west line Scott St. to east line Gaines St. $6535.

Lombard St. from west line Sturdevant St. to west line Marquette St. $26,456.

Linwood Ave. from north line Hancock Ave. to south line Telegraph Rd. $18,210.

LeClaire St. from north line Central Park Ave. to south line South Ave. $9954.

McKinley Ave. from east line Clark St. to west line of Lincoln Ave. $42,473.

Myrtle St. from north line Locust St. to south line of High St. $7387.

Mrytle St. from north line 9th St. to north line 10th St. $3629.

Norwood Ave. from east line Western Ave. to west line Ripley St. $7457.

Oak St. from north line 6th St. to south line Telegraph Rd. $4258.

Park Lane from west line Harrison St. to alley west of Western Ave. $19,163.

Prairie St. from west line Howell St. to west line Division St. $10,892.

Pleasant St. from east line Mitchel St. to west line Myrtle St. $13,226.

South Ave. from west line Farnam St. to east line Arlington Ave. $17,254.

Scott St. from north line Locust St. to south line Lombard St. $12,242.

Scott St. from north line Norwood Ave. to south line Park Lane. $5036.

2nd St. from west line Lincoln Ave. south to east line Elmwood Ave. $9377.

6th St. from west line Davie St. to east line Ainsworth St. $21,865.

3rd St. from east line Telegraph Rd. east to end of paving. $6900.

12th St. from west line Farnam St. to west line Grand Ave. $5192.

Telegraph Rd. from west city limits Farnam St. $3393.

Telegraph Rd. from west city limits to 3rd St. $68,131.

Telegraph Rd. from north line 3rd St. to west line Davie St. $34,659.

Taney St. from east line Davie St. to west line Fillmore St. $22,279.

Union St. from west line of Howell St. to west line Washington St. $26,219.

Vine St. from north line 9th St. to south line 10th St. $3923.

Western Ave. from north line Lombard St. to south line Park Lane. $11,898.

Western Ave. from north line 5th St. to south line 6th St. $4369.

Grading, repaving and curbing with asphaltic concrete, brick or bitulithic following streets and alleys:

4th St. from east line Warren to east line Iowa St. $57,250.

Iowa St. from north line 2nd St. to south line 4th St. $13,165.

Streets and Roads (Continued)

14th St. from east line Brady St. to east line Carey Ave., $46,556.

Harrison St. from south line Front St. to south line 2nd St., $6714.

Kirkwood Blvd. from east line Brady St. to east line Grand Ave., $27,100.

2nd St. from east line Warren St. to east line Fillmore St., $40,177.

3rd St from east line Warren St. to east line Fillmore St., $47,667.

Pershing Ave. from north line 2nd St. to south line 4th St., $17,450.

R. Sawistawsky, city engr.

Kan., Norton—Until Feb. 7, by city paving ½ mi. State St. from Rock Island Ry. to Chicago, Burlington & Quincy R. R. tracks, 40 ft. wide. Work involves 9418 sq.yd. pavement, 2944 lin.ft. 24 in. concrete curb and gutter, 4000 cu.yd. earth excav. and 25,000 lbs. reinforcing steel. Bids will be received on vertical fibre brick, 5 in. concrete base, asphaltic concrete, 5 in. concrete base, also 1 and 2 course concrete, 6-8 in. thick. O. E. Noble, Manhattan, engr.

Mo., Hartville—Until Feb. 5, by F. G. Purtle, clk. Wright Co., building, improving, clearing, grading and surfacing with gravel road between Mountain Grove and Cedar Gap. Noted Nov. 7.

Cal., Santa Barbara—Until Feb. 3, by Bd. Supervs., Santa Barbara Co., grading, building culverts, and retaining end walls under railway on Los Olivos-Zaca Rd.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**W. Va., Pineville**—Comrs. Wyoming Co. plan to grade 4½ mi. road, 18 ft. wide, involving 40,000 cu.yd. grading and build 3 arch bridges. About $70,000. Work will be done by day labor under supervision of A. B. Shannon, co. rd. engr.

★**Tex., Dickens**—Comrs. Dickens Co. let contract grading, graveling and constructing 6½ mi. State Highway No. 18, to J. T. Rose & Son, McAdoo. About $36,000. Noted Dec. 12.

★**Ariz., Tucson**—Comrs. Pima Co. will grade and build timber bridges, corrugated iron culverts, concrete wing walls, etc. on road from Ajo to Gunsight, cost, $40,000; Tucson to Pinal, $40,000; Vail to Benson, $20,000; Mt. Lemmon Rd., $25,000. Work wil be done by day labor. Address H. L. Hetch, Schrader Bldg., Tucson, secy. Noted June 27.

Wash., Seattle—King Co. received bids grading and graveling 3252 ft. Boddy-Hindle Rd., 20 ft. wide, including 5000 cu.yd. grading, also building 1600 ft. trestle involving 5000 cu.yd. excav., 173,000 ft. lumber and 9000 lin.ft. piling, etc., from C. C. Snyder Co., Pacific Blk., $15,850; Anacortes Pile Driving Co., Anacortes, $16,744; P. H. Palmer, Seattle, $17,589. Noted Dec. 26.

Oregon—State Highway Comn., 1301 Yeon Bldg., Portland, received bids (1) paving and grading 1.4 mi. Hood River Mosier Sect. Columbia Highway Unit 1, involving 36,000 cu.yd. excav., (a) using gal. No. 1 corrugated iron pipe, (b) concrete pipe, (c) either pipe; (2) 2.7 mi. Unit 2, involving 92,000 cu.yd. excav., (a) concrete pipe, (b) metal pipe; (3) 2.3 mi. Unit 3, involving 138,027 cu.yd. excav., 200 ft. tunnel, (a) concrete pipe, (b) metal pipe; (4) 7.35 mi. Salem-Aurora Sect., Unit 1, involving 69,000 sq.yd. pavement, (a) type D, (b) type G; (5) 10.65 mi. Unit 2, involving 100,000 sq.yd. pavement, (a) type D; (6) 8 mi. Arlington-Blalock Sect., (a) metal pipe, (b) concrete pipe, from A. D. Kern, (1a) $38,700, (1b) $37,888, (2a) $75,526, (2b) $75,548, (3a) $129,803, (3b) $130,133; O. Huber, Sherlock Bldg., Portland, (1c) $33,852, (3c) $146,206, (4a) $165,852, (4b) $169,392, (5a) $334,048; H. J. Hildeburn, (1a) $48,527, (1b) $47,645, (2a) $101,245, (2b) $101,649; A. Johnson (2a) $92,781, (2b) $93,151; Porter & Conley, (3a) $159,630, (3b) $159,771; Blake Compton Co., McMinnville, (4a) $153,572; Oregon Eng. & Constr. Co., Oregon City, (4a) $162,090, (5a) $235,145; Johnson Contg. Co., Lumber Exch. Bldg., Portland, (6a) $120,238, (6b) $119,296; Elliott & Scoggins, McKay Bldg., Portland, (6a) $166,695, (6b) $165,925. Noted Jan. 9.

Cal., Glendale—City received bids grading, paving, building cement curbs and sidewalks, etc., on East Bway., from Glendale Ave. to Verdugo Rd., 7400 ft. long, 16½ ft. wide, from G. R. Curtis, 2440 East 26th St., Los Angeles, $43,794; H. E. Cox, Pasadena, $45,272; P. L. Ferry, Glendale, $59,382. Work involves 189,850 sq.ft. 5 in. concrete pavement, including grading, 22,000 sq.ft. cement sidewalks, 6810 lin.ft. cement curbs, 8500 ft. surfacing and oiling, 926 ft. 2 in. pipe conduits, corrugated iron and concrete culverts, etc. Noted Jan. 2.

★**Cal., Los Angeles**—City let contract grading and oiling, constructing cement curbs and gutters and installing storm drains and sewers on Pico St. and West Blvd., also building rein.-con. bridge over tracks of Pacific Electric Ry., to M. S. Cummings, 1302 West 22nd St., $27,777.

Railways

PROPOSED WORK

Ohio—Columbus Ry., Light & Power Co., 14 North High St., Columbus, plans to improve tracks on High St., from Poplar to 5th Ave., Broad St., from Anson to Sandusky Sts., 3rd St. from Naghten St., to Livingston Ave., Main St., from Allen St. to Alum Creek, Goodale St., from High to Henry St. and Livingston Ave. from High St. to Parson Ave.

Washington—Great Northern Ry., 313 Nicolett St., St. Paul, Minn., plans to lay 30 mi. standard 90 lb. rails on Spokane Div.; 10 mi. east and 20 mi. west of Spokane, cost, $325,000; also lay 10 mi. tracks in Hillyard yards, cost, $150,000; block signal system on Cascade Div. between Skykomish and Delta, cost, $166,000. A. H. Hogeland, St. Paul, Minn., ch. engr.

Excavation and Dredging

PROPOSED WORK

Mass., Boston—Dredging—Comn. Waterways & Pub. Lands applied to State Legislature for appropriation of $200,000 to dredge Boston harbor.

Mass., Boston—Dredging—Comn. Waterways & Pub. Lands applied to State Legislature for appropriation of $500,000 for dredging and filling near South and East Boston.

O., Cleveland — Channel — Cuyahoga Co. receives bid in spring cutting 1900 ft. new river channel from Columbus Rd. to Central viaduct, 120 ft. deep. About $4,000,000. W. A. Stinchcomb, co. engr.

Ill., East St. Louis—Canal—East Side Levee & Sanitary Dist. Bd. will expend $300,000 for improvements during year, to include building canal along foot of bluffs from Alton to Prairie du Pont to relieve lowlands of flood waters from watershed formed by bluffs, also work on diversion of Cahokia Creek. H. S Kramer, pres.

Neb., Columbus — Excavation — See "Streets and Roads."

Neb., Lincoln—Excavation—See Streets and Roads."

Neb., North Platte — Excavation — See "Streets and Roads."

Neb., Wayne—Excavation—See "Streets and Roads."

Mo., Jefferson City—Levee—Dumm & Irwin plan to build 5 mi. levee in Cole Co. About $75,000. J. R. Nolen, Jefferson City, engr.

Ariz., Phoenix—Canal—Salt River Valley Water Users Assn. having plans prepared moving 1½ mi. Arizona canal ¼ mi. to prevent breaks during floods. About $35,000.

Ore., Gold Hill—Gold Hill Irrigation Dist. election Feb. 11, to vote on $15,000 for completion of irrigation system. Kramer & Carter, San Francisco, engrs.

— BIDS DESIRED

N. Y., Albany—Barge Canal Work—Until Feb. 19, by W. W. Wotherspoon, supt. pub. wks., building pile dolphins for aids to navigation on Cayuga and Seneca Lakes, Contr. Q, cost, $5225; driving steel sheet piling, placing concrete lining and incidental work between Rochester and Lockport, Contr. 200, involving 5300 cu. yd. excav., 22,000 ft. b. m. sheeting and bracing, 770 cu. yd forming embankment, furnishing 2300 sq.ft. ¼ in. steel sheet piling, 77,000 sq.ft. ⅜ in. steel sheet piling, driving, 79,300 sq. ft. steel sheet piling, 2900 cu. yd. 2nd class concrete, 500 cu. yd wash wall, 460 lb. structural steel, 1040 lb. metal reinforcement, removing 730 cu. yd. concrete, cofferdams, pumping, draining, etc., cost, $257,992; providing for completion of concrete prism lining at Cartersville and building stream entrance near Knapps bridge, Contr. 201, cost $48,455; advertised in this issue.

N. Y., Buffalo—Barge Canal Work—Until Feb. 18, by W. W. Wotherspoon, supt. pub. wks., capitol, Albany, protecting shore of Erie Basin between Lake St. and Slip No. 1, Buffalo Contr. 69, involving 150 cu. yd. excav., 300 cu. yd. cinder backfill, 19,000 ft. b. m. sawed lumber, 110 cu. yd. 2nd class concrete, 100 cu. yd. stone filling in cribs, 900 lb. structural steel, 60 cu. yd. 1st class rip rap, cost, $6780; installing electric, writing, lighting, power and battery charging equipment for canal terminal at Erie Basin, Buffalo. Contr. 107, cost $35,025; advertised in this issue.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract.)

★**N. Y., Albany**—Barge Canal Works—W. W. Wotherspoon, supt. pub. wks., let contract drilling holes in sill of dam and toe of river wall of lock near Rotterdam, to J. W. Holler, Ft. Edward, $27,780; installing two 3 ton semi portal jib cranes on Pier 6, New York City, Contr. 192, to E. F. Terry Mfg. Co., Grand Central Terminal, New York City, $41,081. Noted Dec. 26.

★**N. Y., Albany**—Barge Canal Works—W. W. Wotherspoon, supt. pub. wks., let contract completing canal from east guard lock to Genesee River, and work in Genesee Valley Park, Contr., 192, to Brown & Lowe, Foster Ave., Schenectady, $428,860. Noted Jan. 16.

N. Y., Seneca Falls—Barge Canal Works—W. W. Wotherspoon, supt. pub. wks., capitol, Albany, received bids Jan. 14, extending core wall and other work at north end of Dam No. 2, Seneca Falls, Contr. T, from Kennedy & Scullen Contg. Co., Inc., Cohoes, $22,301; Mohawk Dredge & Dock Co., Inc., Herkimer, $22,325; C. Klehm, Gardner Bldg., Utica, $22,958. Work involves 870 cu.yd. excav., 740 cu. yd. backfill, 21,400 ft. b. m. sheeting and bracing, 120 cu. yd. 2nd class concrete; contingent items are 900 cu. yd. excav., 760 cu. yd. back fill, 26,000 ft. b. m. sheeting and bracing, 120 cu. yd. 2nd class concrete; contingent items are 900 cu. yd. excav., 760 cu. yd. back fill, 26,000 ft. b. m. sheeting and bracing, 150 cu. yd. 2nd class concrete, furnishing, installing and removing plant for drilling and grouting, etc. Noted Dec 26.

Industrial Works

PROPOSED WORK

Mass., South Boston (Boston P. O.)—S. A. Woods Machine Co., 27 Damrell St., Boston, plans to rebuild plant on Dorchester Ave. recently destroyed by fire. Loss, $500,000.

R. I., Providence—Page & Page, archts., 87 Weybosset St., soon receive bids for altering and building 30 x 33 ft. brick, rein.-con. and steel addition to Barnaby Bldg., rein.-con. flooring and concrete foundation, on Union St. About $50,000. Owners name withheld.

N. Y., Brooklyn—Mollers & Schuman, Marcy Ave., having plans prepared by H. Holder, archt., 242 Franklin Ave., for 2 story, steel and brick addition to factory, concrete foundation, on Gerry and Wallabout Sts. About $80,000.

N. Y., Geneva—C. C. Davison had plans prepared for flour mill with 500 bbl. daily capacity.

N. Y., New York—T. Demmerle, 1510 Bryant Ave., had plans prepared by W. A. Gelson, archt., 104 West 42nd St., for 2 story, 78 x 94 ft. brick and steel garage, concrete foundation, on 181st St. and Davidson Ave. About $30,000.

N. Y., West Carthage—Local Dairymen's League having plans prepared for 2 story milk condensary. About $25,000. S. Balcom, chn.

Pa., Honesdale—Smith & Clark Co., Tannery and Water Sts., having plans prepared for 2 story milk condensary. About $75,000.

N. C., Durham—City plans election to vote on $90,000 bonds to build ice plant. H. W. Kueffner, city engr.

O., Toledo—Modern Glass Co. plans to build 6 brick and steel buildings on 9 acre site on Toledo Terminal Ry. near Dorr St. crossing. About $250,000.

Mich., Bay City—City plans to build addition to electric light and power plant. About $125,000. C. L. DeBates, supt.

Mich., Detroit—Morgan & Wright Tire Co., foot Bellevue St., plans to build 7 story, 140 x 215 ft. brick and rein.-con. warehouse, rein.-con. flooring and concrete foundation. About $750,000. Lockwood Greene & Co., 38 South Dearborn St., Chicago, engrs.

Mich., Menominee—Lloyd Mfg. Co. having plans prepared by D. Hubert, archt., for 1 story, 100 x 800 ft. brick and concrete factory warehouse. M. B. Lloyd, pres.

Ill., Chicago—P. E. Erlinder & Co., 3213 Wentworth Ave., soon receives bids building 1 story, 75 x 160 ft. brick and rein.-con. auto service building, rein.-con. flooring and concrete foundation on 43rd St. and Wabash Ave. About $25,000. R. R. Cenek, 105 South La Salle St., archt.

Ill., Chicago—Lindstrom & Hedberg, 127 North Dearborn St., plan to build 1 story, 100 x 200 ft. brick and timber garage, brick foundation, on East 71st St. and Jeffrey Ave. About $30,000.

Industrial Works (Continued)

Ill., Chicago—Standard Oil Co. of Indiana, 910 South Michigan Ave., having plans prepared by Schlinz & Bailey, archts., 802 Monadnock Bldg., building two 1 story, 75 x 120 ft. brick and rein.-con. distributing stations, rein.-con. flooring and concrete foundation, one on 71st and Halsted Sts. and other on Stoney Island and Marquette Rd. About $40,000 each.

Ill., Chicago—Weir & Craig, 6316 Wentworth Ave., having plans prepared by F. Lindquist, archt., 179 West Washington St., for 3 story, 100 x 125 ft. brick and timber warehouse on 63rd St. and Wentworth Ave. About $75,000.

Ill., Chicago Heights—Armour Fertilizer Wks., Union Stock Yards, Chicago, having plans prepared by R. C. Clark, archt., care of company, building 1 story, 240 x 520 ft. steel and concrete fertilizer plant here on State St. and Chicago Heights Terminal Transfer R.R. About $500,000. Noted Nov. 28.

Ill., South Bartonville (Peoria P. O.)—Amer. Milling Co. plans to rebuild plant recently destroyed by fire. Loss, $750,000. H. G. Atwood, pres.

Ill., Woodriver—Tidewater Oil Co., Constable Hook, Bayonne, N. J., plans to build oil refinery here and extend pipe line from here to Tulsa, Okla.

Wis., Amery—Apple River Milling Co. plans to rebuild mills. Loss, $60,000.

Wis., Appleton—Konz & Co. plan to build box factory. About $30,000.

Wis., Milwaukee—Natl. Oil Products Co., 220 Bway., New York City, plans to build plant on Keefe and Humboldt Aves., here. About $100,000.

Wis., Sheboygan—Lake Side Craft Shop plans to build 2 story, 70 x 100 ft. addition to factory on South 12th St. and Kentucky Ave.

Wis., Two Rivers—Aluminum Goods Mfg. Co., Manitowoc, purchased 60 x 300 ft. lot adjacent to works here and plans to build addition. G. Vits, genl. mgr.

Minn., Milaca—Hanson Bros. plan to build 1 story, 65 x 130 ft. brick garage.

Minn., St. Cloud—Pan Motor Co. had plans prepared for 1 story, 130 x 180 ft. steel foundry.

Kan., Topeka—J. V. Deever, Big Springs, plans to build 75 x 100 ft. garage at 1032 Kansas Ave. here.

Kan., Topeka—Whiteker Bros., 1st St. and Kansas Ave., plan to build garage on Kansas Ave. About $30,000.

Mo., Valley Park—Universal Glass Co. of Pennsylvania, plans to remodel, re-equip and reopen glass plant on 11 acre site; also rehabilitate 200 workmen's homes, bank building and hotel. Address owners through R. K. Kauffman, Mercantile Trust Bldg., St. Louis.

Tex., McKinney—A. E. Boger, Dallas, plans to build refinery here. About $500,000.

Okla., Tulsa—U. S. Compression Inner Tube Co. had plans prepared building 50 x 300 ft. factory. M. C. Hale, pres.

Colo., Colorado Springs—Hassel Iron Wks., Moreno and Sierra Madre Sts. plans to build addition to factory. About $50,000 W. W. Hassell, pres.

Colo., Greeley—Natl. Food Products Co. plans to build 200 x 200 ft. dehydrating plant here.

Ariz., Humboldt—Humboldt Impvt. Co. plans to build water-works and electric light plants. About $200,000.

Wash., Seattle—East Waterway Dock & Warehouse Co., 2901 Kitsap St., plans to build warehouse and 350 ft. extension to present wharf at terminal on Harbor Island. About $200,000 will be expended.

Cal., Sacramento—See "Miscellaneous".

Cal., San Jose—Salsini Packing Co. plans to build 2 story, 60 x 600 ft. rein.-con. addition to fruit packing plant on Lincoln and Salvator Sts. About $100,000.

Ont., Toronto—Dominion Government, Ottawa, soon lets contract building 2 story, 60 x 150 ft., orthopedic hospital. About $65,000. R. C. Wright, archt.

Sask., Regina—International Harvester Co. plans to build plant on 6th Ave. and Broad St. About $1,000,000.

B. C., Vancouver—Foundation Co., Ltd., 709 Electric Ry. Chambers, Winnipeg, Man., plans to build steel shipyards here. B. Hipkins, mgr.

BIDS DESIRED

N. Y., Brooklyn—Until Feb. 18, by W. W. Wotherspoon, supt. pub. wks., Capitol, Albany, building Barge Canal Terminal freight shed at Greenpoint. Contr. 223, involving 594,500 lb. structural steel, 450 ft. 8 in., 300 sq.ft. 6 in. and 2100 ft. 4 in. terra cotta tile, 610 sq. ft. wood flooring, 6048 sq.ft. warehouse doors, 9800 sq.ft. corrugated metal siding, 4900 sq.ft. flashing, 21,900 sq. ft. roof covering, 810 lin. ft. gutters, 240 lin. ft. corrugated conductors, 250 lin. ft. 4 in. pipe conductors, etc. About $99,710.

N. Y., Brooklyn—Until Jan. 27, by W. Higginson, archt., 21 Park Row, New York City, for 1 story, 50 x 55 ft., steel and brick power house, rein.-con. flooring, concrete foundation, on Classon Ave., for J. Kayser, 45 East 17th St., New York City. About $60,000.

N .Y., New York—Until Feb. 3, by F. G. Frost, archt., 19 West 44th St., for 6 story, 100 x 200 ft., garage and 9 story, 75 x 100 ft storage building, steel and brick, rein.-con. flooring, concrete foundation on 36th and 37th Sts., between 2nd and 3rd Aves., for B. Altman Co., 5th Ave. and 34th St. About $350,000. Noted Jan. 2.

N. Y., New York—Until Jan. 28, by D. M. Ach, archt., 1 Madison Ave., building 2 story, 125 x 200 ft. brick and steel factory and garage at 510-14 West 22nd St., for A. Louy, 511-19 West 21st St. About $95,000.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Conn., Bridgeport** — Susman-Feuer—Brownstein Co., 23 Bank St., let contract building 4 story, 78 x 100 ft. brick, steel and concrete grain elevator, rein.-con. flooring and concrete foundation, on Water St., to W. A. Smith & Son, 188 Cannon St. About $60,000. Noted Jan. 16.

★**N. Y., East Buffalo**—New York Central R. R., Grand Central Terminal, New York City, let contract building 1 story, 50 x 150 ft., brick and steel ice house, rein.-con. flooring, concrete foundation, to J. W. Cowper, Fidelity Bldg., Buffalo. About $55,000.

★**N. Y., New York**—M. Groh's Sons, 238 West 28th St., let contract building 10 story, 75 x 100 ft. brick and steel cold storage warehouse, rein.-con. flooring, concrete foundation, to Patterson Bros., 215 West 28th St., cost plus basis, about $250,000. Noted Dec. 26.

★**N. Y., New York**—Standard Concrete Steel Co., 105 West 40th St., will build 3 story, 100 x 175 ft., steel and brick factory, rein.-con. flooring, concrete foundation, on 61st St. and Amsterdam Ave. About $200,000. Work will be done by day labor.

★**N. J., Bound Brook**—A. A. Marlow & Sons will build sulphur dioxide and chemical plant. Work will be done by day labor. Noted Jan. 9.

★**Pa., Pittsburgh**—F. E. Koegler, 1320 Carson St., let contract building 2 story, 60 x 75 ft. garage on 14th and Carson Sts., to P. Auel, 93 South 24th St. About $30,000.

★**Pa., Springdale**—Penn Power Co., Benedum Trees Bldg., Pittsburgh, will build 1 story, 200 x 900 ft., steel, rein.-con. and brick power plant, rein.-con. flooring, concrete foundation here. About $5,000,000. Work will be done by day labor. Mine will also be developed.

★**Md., Westminster**—B. F. Shriver Co. let contract building 1 story, 36 x 42 ft. power plant and 1 story, 50 x 190 ft. factory, rein.-con. and brick, rein.-con., rock and concrete foundation, on Main St., to J. F. Roystone Eng. Co., Westminster. About $50,000.

★**Va., Norfolk**—Norfolk & Hampton Roads Dry Dock & Ship Repairing Co., Bank of Commerce Bldg., let contract building shipbuilding plant to consist of several 1 story, rein.-con., steel and brick buildings, rein.-con. flooring, concrete foundation, to J. Stewart & Co., 30 Church St., New York City. About $7,000,000.

O., Cleveland—Glass Coating Co., 1209 Rockefeller Bldg., let contract building 1 story 165 x 240 ft. factory, brick, steel and rein.-con., rein.-con. flooring, on St. Clair Ave., and New York, Chicago & St. Louis R. R., to H. Ferguson, 66 Beersford Rd. About $80,000.

★**Ia., Sioux City**—Marine Terminal Elevator Co., Grain Exch., let contract building 250,000 bu. rein.-con. and brick terminal elevator, rein.-con. flooring, concrete foundation; also 44 x 151 ft. work house and 15 storage tanks, 14 ft. diameter, 81 ft. high, to Younglove Constr. Co., 312 U. B. Bldg. About $150,000.

★**Kan., Pratt**—See "Buildings."

★**Ore., Wilbridge**—Pacific Coast Steel Co., North West Bank Bldg., Portland, let contract constructing open hearth building, cost, $41,000; mill building, $40,000 and steel mill, $1,000,000, to Grant Smith & Co., St. John St., Portland.

★**Ont., Hamilton**—Canadian Cotton Co., James St., N., let contract building 1 story addition to factory, to G. E. Mills, 614 King St., E. About $50,000. Noted Dec. 19.

★**N. S., Sydney**—Dominion Iron & Steel Co. let contract building rein.-con., brick and steel power station, rein.-con. flooring, concrete foundation capable of developing 1150 kw., to Foundation Co., Ltd., 224 St. James St., Montreal, Que.

Buildings

PROPOSED WORK

Mass., Cambridge—Fire House and Police Station—City soon receives bids remodeling and building brick, steel and concrete addition on Central Sq. About $85,000. C. H. Blackall, 20 Beacon St., Boston, archt.

Mass., Framingham — Dormitory — State Bd. Educ. applied to Legislature for appropriation of $161,000 to build dormitory for State Normal School here.

Mass., New Bedford—High School—City applied to State Legislature for authority to reconstruct old high school on Summer St. A. Ashley, mayor.

Mass., New Bedford—Hospital—A. Ashley, mayor, applied to State Legislature for authority to borrow $400,000 to build city hospital.

Mass., Springfield—School—Bd. Educ. having plans prepared by G. C. Gardner, archt., 33 Lyman St., building brick addition to school on Chestnut St. About $200,000.

Mass., Watertown—(Middlesex P. O.)—Office—Aetna Mills plans to build brick and concrete, rein.-con. flooring and concrete foundation. About $50,000.

R. I., Providence—Theater—J. Bartley, Seekonk, Mass., having plans prepared by W. R. Walker & Son, archts., 17 Custom House St., altering and building addition to Scenic Theater on Matthewson St., here.

R. I., Providence—Library—City plans to build addition to library on Fountain and Empire Sts. Clarke & Howe, 1304 Turks Head Bldg., archts.

Conn., Bridgeport—Bank—West Side Bank, 1418 State St., plans to build on State St. between Hancock and Butler Aves. About $50,000. W. P. Kirk, pres.

Conn., Bridgeport—Church and Parish—United Congregational Church, Broad and Gilbert Sts., plans to build brick, concrete and steel, rein.-con. flooring and concrete foundation, 210 ft. high, on Broad, John and Bank Sts. About $300,000. W. H. Day, pastor. C. Gilbert, 244 Madison Ave., New York City, archt.

Conn., Bridgeport—Club—I. O. O. F., 1089 Broad St., plans to build on Golden Hill, Harrison and Elm Sts. About $150,000.

Conn., Bridgeport—Police Station—Fire Comrs. plan to build on Caroline and Arctic Sts. About $75,000. J. C. Stanley, pres.

Conn., Waterbury—Hospital—Bd. Health plans to build isolation hospital. About $150,000.

Conn., Waterbury—Hotel—Hotel Elton, West Main and Prospect Sts., plans to alter and build addition. About $150,000. W. E. Hunt, 182 South Main St., Torrington, archt.

Conn., Wethersfield—Prison—State Institution, Hartford, plans to build brick, steel and rein.-con., rein.-con. flooring and concrete foundation here. About $1,500,000. L. W. Robinson, 42 Church St., New Haven, archt. Noted Jan. 2 under "Hartford."

N. Y., Brooklyn—Synagogue—Brooklyn Synagogue, 1093 Sterling Pl., plans to build 2 story, 80 x 100 ft., brick and steel, brick foundation. About $100,000.

N. Y., New York—School—Bd. Educ. soon receives bids building 5 story, 92 x 193 ft., limestone, steel, brick and terra cotta, Crotona Ave. and 151st St. (Bronx Boro.). About $450,000. C. B. J. Snyder, Municipal Bldg., archt. Noted Nov. 21.

Buildings (Continued)

N. Y., New York—School—Bd. Educ. soon receives bids building 5 story, 60 x 142 ft., brick and steel addition, concrete foundation, Tremont, Bryant and Vyse Aves. About $200,000. C. B. J. Snyder, Municipal Bldg., archt. Noted Nov. 21.

N. Y., New York—School—Bd. Educ., 500 Park Ave., soon receives bids building P. S. 57, 5 story, 118 x 192 ft., brick and steel, concrete foundation, Crotona Ave. and 181st St. (Bronx Boro.) About $543,474. C. B. J. Snyder, Municipal Bldg., archt. Noted Dec. 5.

N. Y., New York—School—Bd. Educ., 500 Park Ave., soon receives bids building P. S. 130, 5 story, 98 x 157 ft., brick and steel, concrete foundation, Baxter St. About $506,592. C. B. J. Snyder, Municipal Bldg., archt. Noted Dec. 5.

N. J., Jersey City—Hospital—Jersey City Hospital, 29 Duncan Ave., having plans prepared altering and building additions to hospital on Baldwin Ave. About $600,000. J. T. Rowland, 100 Sip Ave., archt.

Pa., Harrisburg—High School—Bd. Educ. having plans prepared by C. H. Lloyd, archt., Telegraph Bldg., for 2 story, 80 x 145 ft. brick. About $100,000.

Pa., Lock Haven—Temple—Masonic Lodge purchased site on Main and Grove Sts. and plans to build temple. About $100,000.

Pa., Newcastle—Y. M. C. A., West Washington St., plans to construct building. About $100,000.

Pa., Phila.—Store—Roman Auto Co., 203 North Broad St., purchased site and plans to build 12 story building for automobile and airplane salesrooms.

Va., Charlottesville—Bank and Office—Natl. Bank of Charlottesville plans to build R. T. Minor, Jr., vice pres.

La., New Orleans—Club—Southern Yacht Club, West End, plans to build new concrete club on site of present building. About $200,000. P. S. Benedict, commodore.

La., New Orleans—Theatre—Orpheum Circuit having plans prepared by J. Lansburg, archt., San Francisco, Cal., for 1 story, 150 x 200 ft., steel, brick foundation. About $400,000. Address M. Beck, 1564 Bway., New York City.

O., Cincinnati—Hotel—Havlin Hotel Co., Mine St. and Opera Pl., plans to remodel 60 x 150 ft. hotel. H. Hake, Telephone Bldg., archt.

O., Cleveland—Market—W. R. Powell, archt., 705 Rose Bldg., receives bids about Mar. 15, building 2- and 6-story, 78 x 381 ft. brick, steel and rein.-con. market house, rein.-con. flooring at 11826 Detroit Ave. for Lakewood Market House Co., c/o archt. About $200,000. Noted Jan. 2.

O., Columbus — Exposition — Columbus Exposition Bldg. Co. having plans rechecked by Richards, McCarty & Bulford and F. L. Packard, archts., Hartman Bldg., for constructing exposition building on Rich and Wall Sts. About $500,000. F. Lazarus, Jr., pres. Rechecking of plans made necessary by advanced cost of material and abor.

O., Oberlin—High School—Bd. Educ. having plans prepared by F. C. Warner, archt., 767 Hippodrome Annex, Cleveland, for 2-story, 75 x 180 ft. brick, rein.-con. and steel, rein.-con. flooring and concrete foundation. About $225,000.

O., Westerville—Science Hall—Otterbein University plans to build 3 story on campus of University. A Clippenger, pres.

O., West Unity—School—Bd. Educ. having plans prepared by Howard & Merriam, archts., 8 East Broad St., for 4 story, 76 x 115 ft. brick, rein.-con. flooring and concrete foundation. About $80,000.

Ind., South Bend—Theater—J. J. Handelsman, c/o Inland Steel Co., having plans prepared by C. W. and G. L. Rapp, archts., 69 West Washington St., Chicago, building 2 story, 140 x 160 ft. steel and rein.-con. moving picture theater, rein.-con. flooring and concrete foundation at 216 South Michigan St. About $300,000.

Mich., Detroit — Auditorium — F. L. Brooke, 82 Melbourne Ave., trustee for late W. W. Hannan, plans to build auditorium on Woodward Ave., to be known as Hannan Memorial Hall. Building will be bequeathed to city when completed. About $2,500,000.

Mich., Detroit—Hospital—Grace Hospital, Willis and John R. Sts., plans to build in vicinity of Fairview. About $150,000. W. L. Babcock, supt.

Ill., Bloomington—Exchange—Kinlock-Bloomington Telephone Co. plans to build 2 story, 45 x 120 ft. on Washington and Prairie Sts. Cost between $50,000 and $75,000. J. T. Lillard, pres.

Ill., East St. Louis—Community—Natl. Catholic War Council plans to build community center. About $200,000. D. McGlynn, 120 North Main St., chn. J. Ware, Wash., D. C., archt.

Ill., Moline—Store—J. N. Pierr, 1517 5th Ave., plans to rebuild brick on 15th St. and 5th Ave. About $80,000.

Wis., Milwaukee—Bank—Wisconsin Natl. Bank, East Water and Wisconsin Sts., having plans prepared by Marshall & Fox, archts., 721 North Michigan Ave., Chicago, for 3 story, steel, rein.-con. flooring, concrete foundation, on East Water and Wisconsin Sts. About $1,500,000. Noted Jan. 2.

Wis., Milwaukee—Hotel—O. Brachman and others plan to build 8 story on Juneau Ave. and Astor St. About $800,000.

Wis., Two Rivers—School—City receives bids in spring building addition to school and boiler house. About $65,000. Van Ryn & De Gelleke, Caswell Blk., Milwaukee, archts.

Minn., Brainerd—Depot—Northern Pacific R. R., Railroad Bldg., St. Paul, receives bids in February or March building 2 story, 40 x 160 ft., rein.-con. and brick. About $65,000. O. M. Rognan, Railroad Bldg., archt. Noted Oct. 24.

Minn., Duluth—Hospital—City plans to build 3 story, rein.-con., brick and steel, rein.-con. flooring. About $600,000.

Minn., Stillwater—School—Bd. Educ. receives bids in March building 2 story, 60 x 98 ft., rein.-con. and brick. About $50,000. W. L. Alban, 347 Endicott Bldg., St. Paul, archt.

Kan., McPherson—Hospital—McPherson Co. plans to build. Bond for $100,000 voted for project. A. J. Cedarholm, co. clk.

Neb., Hastings—College—Hastings College plans to build. Cost between $150,000 and $200,000. A. Crone, pres.

S. D., Sioux Falls—Schools—Bd. Educ. having preliminary estimates made building high and grade schools. About $500,000.

N. D., Jamestown—College—Jamestown College plans to build. About $500,000. B. H. Kroeze, pres.

Mo., Fulton — Hospital — Calloway Co. plans to build. About $75,000 appropriated for site and hospital.

Mo., Jefferson City — Theatre — W. H. Mueller plans to build 57 x 198 ft. brick on High St. About $60,000.

Mo., St. Louis — College — Washington University, Skinker and Lindell Sts., receives bids in March for 2 story, 150 x 200 ft. rein.-con., rein.-con. flooring and concrete foundation on campus. About $300,000. F. A. Hall, chancellor. J. F. Jamieson, Security Bldg., archt.

Mo., St. Louis—Court House—H. Kiel, mayor, submitted report to Bd. Estimate & Apportionment recommending that 2-story, rein.-con. addition be built to Municipal Courts, 13th and Market Sts. About $150,000. L. R. Bowen, City Hall, engr.

Mo., Valley Park—Bank, Hotel, etc.—See "Industrial Works."

Mo., Webster Groves—(St. Louis P. O.)—Club—Algonquin Golf Club, plans to rebuild clubhouse on Berry and Jackson Rds. About $100,000. R. A. Nickerson, secy.-treas.

Tex., Ft. Worth—Office—W. Capps receives bids in March building 3 story addition on 5th and Throckmorton Sts. Cost between $75,000 and $100,000. Noted Jan. 2.

Okla., Hooker—School—Bd. Educ. School Dept. No. 23, having plans prepared by Mann & Jerow, archts., Hutchinson, Kan., building 3 story, 54 x 74 ft. brick and rein.-con. About $50,000.

Wash., Bremerton—Club—Navy Y. M. C. A. having plans prepared by F. S. Baker, archt., Pacific Blk., Seattle, for 5 story, 56 x 90 ft., rein.-con., Front and Washington Sts. About $55,000.

Ore., Portland—Home, Business Headquarters, etc.—United Artisans, Beck Bldg., plans to build 2 story, 60 x 100 ft., frame home, and 38 x 58 ft. brick servants' quarters in Columbia Park, cost, $40,000; also 2 story rein.-con. building for business headquarters, 3rd and Columbia Sts., cost, $60,000. E. Schacht, Commonwealth Bldg., archt.

Cal., Bakersfield—School—City election Feb. 4, to vote on $125,000 bonds to build Lincoln School, addition to Fremont School and install heating system in Franklin School.

Cal., Sacramento—Memorial Hall—City election Apr. 30 to vote on $300,000 bonds to build memorial hall. F. C. Miller, city engr.

Cal., San Marino—Library—H. E. Huntington having plans prepared by M. Hunt, archt., 1017 Hibernian Bldg., Los Angeles, for 2 story, 160 x 200 ft., rein.-con. and brick with three wings, each 150 ft. long, rein.-con. flooring, concrete foundation, on Oak Knoll. About $100,000.

Cal., Ventura—Hospital—Ventura Co. plans election to vote on bond issue to build county hospital. About $200,000. A. C. Martin, archt., 430 Higgins Bldg., Los Angeles, preparing plans.

Que., Montreal—Central Y. W. C. A. lets contract in spring constructing building. About $150,000. A. T. Thomson, pres. Noted Sept. 26.

Man., Winnipeg — Orphanage — Jewish Children's Aid and Orphanage Society, of Western Canada, 1280 Main St., purchased site and plans to build. About $55,000.

Alta., Edmonton—Sanitariums—Provincial Government plans to build 2 tuberculosis sanitariums. About $200,000.

BIDS DESIRED

N. Y., Brooklyn—School—Until Feb. 15, by G. E. Steinback, archt., 15 East 40th St., New York City, for 2 story, 68 x 100 ft., steel and brick parochial school, concrete foundation, on Du Pont St. between Franklin St. and Manhattan Ave. for St. Cyryl Methodius congregation. About $90,000.

N. Y., Brooklyn—Theater—Until Feb. 14, by R. T. Short, archt., 370 Macon St., for 2 story, 80 x 180 ft., steel and brick, concrete foundation, on Flatbush and Rogers Aves., for Jewel Bldg. Co., 170 Bway., New York City. About $250,000. W. S. Baker, pres.

N. Y., New York—Hotel—Until Apr. 2, by Gronenberg & Leuchtag, archts., 303-5th Ave., for 10 story, 100 x 100 ft., brick and steel, concrete foundation, on 43rd St. near 8th Ave., for H. Claman, 243 West 43rd St. About $200,000.

N. J., Irvington—School—Until Feb. 1, by Bd. Educ., altering School No. 6, Madison Ave. About $60,000.

N. J., West New York—School—Until Jan. 29, by Bd. Educ., building addition to P. S. No. 6. About $50,000.

Pa., Phila.—Fire and Police Stations—Until Jan. 28, by W. Wilson, dir. dept. public safety, building and completing fire and police stations, boiler house and stable at east side of 24th St., between Ritner and Wolf Sts. P. H. Johnson, 728 Presser Bldg., 1713 Sansom St., archt.

O., Norwood—School—Until Feb. 24, by Bd. Educ. and H. Hake, archt., Telephone Bldg. Cincinnati, building 2 story, 80 x 139 ft. on Allison St. here. About $150,000.

Ind., Rockport—Court House—Until Mar. 3, by Comrs. Spencer Co. building 2 story, 105 x 112 ft., rein.-con. and brick, rein.-con. flooring, concrete foundation. About $175,000. E. E. Dunlap, 910 State Life Bldg., Indianapolis, archt. Noted May 2.

Mich., Detroit—Mercantile—Until Jan. 24, by Smith, Hinchman & Grylls, archts., 710 Washington Arcade, altering 6 story brick, rein.-con. and steel, rein.-con. flooring on Woodward Ave., for Lewin-Neiman Co., 183-5 Woodward Ave. About $125,000.

Mich., Portland—High School—Until Feb. 5, by C. L. Crane, secy. Bd. Educ., building 2 story, 74 x 140 ft. brick and rein.-con., rein.-con. flooring and concrete foundation. About $100,000. T. E. White, 312 City Natl. Bank Bldg., Lansing, archt. Noted Nov. 28.

Minn., Duluth—School—Until Mar. 1, by Bd. Educ. building 3 story, rein.-con., brick and steel, rein.-con. flooring, concrete and rock foundation on 5th Ave., E. About $60,000. Croft & Boerner, 1201 Fidelity Bldg., archts.

Kan., Hillsboro—College—Until Jan. 27, by Tabor College building 3 story, 90 x 160 ft. brick and stone, rein.-con. foundation. About $100,000. W. Mampe, 559 Sheidley Bldg., Kansas City, Mo., archt. Noted Sept. 19.

Kan., Leavenworth—Community—Until Feb. 3, by Bd. Educ. building 2 story, 96 x 130 ft. brick. About $90,000. T. W. Williamson & Co., 418 Central Bank Bldg., Topeka, archts. Noted Oct. 24.

Buildings (Continued)

Wyo., Lusk—Court House—Until Feb. 11, by Comrs. Niobrara Co., building court house. Cost between $60,000 and $75,000. G. E. McDonald, Kimball Bldg., Casper, archt. Noted June 27.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Mass., Lowell**—Bank—Merrimac River Savings Bank, William and Central Sts., let contract for altering and building addition to 3 story, 100 x 150 ft. brick and steel, to Hoggson Bros., 485 5th Ave., New York City. About $50,000.

N. Y., Sonyea—Kitchen—F. L. Lang, pres. bd. mgrs., Craig Colony for Epileptics, received bids Jan. 14, building 1 story, 42 x 114 ft. and 42 x 80 ft., rein.-con., steel and brick, rein.-con. flooring, concrete foundation, from C. A. Foote, Mt. Morris, $48,100; A. E. Stephens Co., Springfield, Mass., $49,330; Curran Swartout & Co., Inc., Rochester, $51,000. Noted Jan. 9, under "Miscellaneous."

★**N. Y., Thiells**—Attendants' Home, etc.—L. F. Pilcher, state archt., Albany, let general contract completing 2-story, 38 x 39 ft. attendants' home, and 1-story, 64 x 83 ft., service building, steel frame with stone exterior, stone foundation, to P. Keeler Bldg. Co., 425 Orange St., $68,850; plumbing, to A. J. Eckert Co., 103 North Lake Ave., $16,990; both contractors of Albany.

N. J., Linden—School—Bd. Educ. received lowest bid building addition to P. S. No. 2, from A. N. Crone, 37 Sherman Pl., Jersey City, $54,897.

★**Pa., Hamburg**—Sanatorium—B. F. Royer, comr. of health, let contract building four 1 story buildings and two 2 story buildings concrete, at Hamburg Sanatorium for Tuberculosis, to E. Fay & Sons, 2 South Mole St., Phila. About $343,800.

★**Md., Baltimore**—Office and Store—Pub. Serv. Bldg. Co., Lexington St. Bldg., let contract building 21 story, steel and terra cotta, rein.-con. flooring, on Lexington and Liberty Sts., to Cogswell-Koether Co., 406 Park Ave. About $50,000.

★**Kan., Pratt**—School—Bd. Educ. let contract building 3 story, 86 x 200 ft. brick and rein.-con. school, to W. Foley, Dodge City, $157,087. Noted Jan. 9.

Ariz., Ajo—School—Trustees Arizona School Dist. No. 15 received lowest bid building 2 story hollow tile, rein.-con. flooring, from Edwards & Wildey Co., Black Bldg., Los Angeles, Cal., $129,000. Noted Jan. 16.

★**Cal., San Jose**—Store—A. Hart will build 5 story, 100 x 100 ft., rein.-con., rein.-con flooring, concrete foundation, on Santa Clara and Market Sts. Work will be done by day labor.

Federal Government Work

PROPOSED WORK

Mass., Chatham—Dredging—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans dredging at Naval Air Sta.; Spec. 3774. About $40,000.

Mass., Hingham—Public Works Office—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to build; Spec. 3765. About $32,000.

R. I., Newport—Torpedo Storage Building—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to build; Spec. 3767. About $250,000.

Conn., Greenwich—Harbor Improvements—Rivers & Harbors Comn., Wash., D. C., plans to improve harbor here. About $35,000. Plans include dredging and repairing breakwater, channel, etc.

N. Y., Montauk—Building—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to complete certain building at Naval Air Sta., Spec. 3768.

N. Y., Rockaway—Building—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to complete certain building at Naval Air Sta., Spec. 3768.

Pa., Phila.—Crane Runway—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to build addition to crane runway at shipbuildings slips Nos. 2 and 3; Spec. 3769. About $125,000.

Pa., Phila.—Fence and Shelter Terminal Station—Bureau Yards & Docks, Navy Dept., Wash. D. C., plans to build; Spec. 3771. Bids will be received at Navy Yard here.

D. C., Wash.—Reclamation—U. S. Government appropriated $100,000,000 to irrigate, drain and develop swamp, arid waste and undeveloped lands to provide employment and farms with improvements and equipment for honorably discharged soldiers, sailors and marines. Work will be in charge of Dept. of Interior.

Va., Norfolk—Galvanizing Plant—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to build at Navy Yard; Spec. 3772. About $110,000.

S. C., Charleston—Quay Wall—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to build; Spec. 3773. About $300,000.

Mo., Jefferson City—Bank Revetment, etc.—U. S. Eng. Office, Kansas City, plans to build 6000 lin. ft. concrete bank revetment and willow mattress. About $72,000. Work involves 80,000 cu. yd. dry earth excav. by hydraulic grader, 6000 cu. yd. gravel, 6000 bbl. Portland cement, 240,000 lin. ft. ¾ in. galvanized strand, 3000 cords willow brush, etc. W. Young, engr.

Colo., Durango—Post Office and Court House—J. A. Wetmore, superv. archt., treas. dept., Wash., D. C., rejected all bids received Jan. 9. Work will be readvertised. Noted Jan. 16.

Ore., Salem—Harbor and River Improvements—House Representatives, Wash., D. C., voted and adopted report of Harbor and River Impvts. Com. for work at Coos Bay, cost, $130,000; Yaquima Bay, $100,000; Coquille Harbor, $64,000; Clatskanie River, $2000; Columbia and Willamette Rivers below Portland and Vancouver, $454,000; Columbia River Bar, $130,000; Upper Willamette River, $27,000.

Cal., San Diego—Barracks—Bureau Yards & Docks, Navy Dept., Wash., D. C., receives bids in February, building 7 rein.-con. and hollow tile barracks, concrete flooring and foundation, consisting of barracks A, 2 story, 42 x 319 ft., with 1 story, 41 x 66 ft. dormitory wings, 1 story, 29 x 43 ft. kitchen wing, barrack C, 154 x 182 ft., ell shaped, with 41 x 82 ft. and 41 x 73 ft. dormitory wings, 14 ft. connecting arcade, etc. About $1,000,000. Noted Jan. 2.

Cal., Santa Rosa—Sewer and Water Systems—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to install; Spec. 3770. About $16,000.

BIDS DESIRED

Pa., Phila.—Emergency Hospital—Until Feb. 23, by Bureau Yards & Docks, Navy Dept., Wash., D. C., building various 2 story tile block, stucco finished additions to emergency hospital at Grays Ferry Rd. About $500,000. Plans include 1 subsistence building including passage ways to typical wards Nos. 1 and 2, 1 nurses' quarters, 1 sick officers' quarters, 1 observation ward including passage way to Ward No. 2, 1 garage, stable and chauffeur's quarters, 1 greenhouse, removal of certain buildings and portions of buildings and altering buildings partially removed. Noted Nov. 28.

D. C., Wash.—Laboratory—Until Feb. 1 by U. S. Constr. Quartermaster, War College, Wash. Barracks, building brick laboratory.

Va., Norfolk—Dredging, etc.—Until Feb. 21, by U. S. Eng. Office, Norfolk, dredging anchorage and 40 ft. channel; also building bulkhead; advertised in this issue.

Fla., Crestview—Road—Until Jan. 30, by J. T. Bullen, dist. engr., bureau pub. rds., U. S. Dept. Agriculture, 917 Bell Bldg., Montgomery, Ala., clearing, grubbing, grading and surfacing with sand clay, also building timber bridges and culverts, on 27.92 mi. Crestview-Camp Walton Rd., Natl. Forest Rd. Project. Noted Nov. 28.

Tex., Ft. Worth—Elevator, etc.—Until Feb. 12, by J. A. Wetmore, superv. archt., treas. dept., Wash., D. C., installing electric passenger elevator in post office and court house here; advertised in this issue.

Tex., Sabine Pass—Jetty Work—Until Feb. 25, by U. S. Eng. Office, Dallas, for jetty work here; advertised in this issue.

Colo., Denver—Portland Cement—Until Feb. 10, by U. S. Recl. Serv., Tramway Bldg., Denver, furnishing 50,000 bbl. Portland cement f.o.b. cars at works of bidder; advertised in this issue.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

Mass., Southbridge—Post Office—J. A. Wetmore, superv. archt., treas. dept., Wash., D. C., received bids Jan. 14, (1) limestone (2) sandstone, from L. Rockford & Son, Worcester, (1) $87,800 (2) $39,000; C. M. Leach, P. O. Box 2285, Boston, (1) $93,333; J. A. Munroe, 159 Washington St., North Attleboro, (1) $93,395 (2) $96,395. Noted Dec. 5.

Mass., Winchester—Post Office—J. A. Wetmore, superv. archt., treas. dept., Wash., D. C., received bids Jan. 16, (1) limestone. (2) sandstone, from J. E. Nelson Co., Boston, (1) $69,942; M. I. O'Connor, Northampton, (1) $74,400, (2) $75,200; C. M. Leach, Boston, (1) $74,445. Noted Dec. 5.

R. I., Newport—Officers' Quarters—Bureau Yards & Docks, Navy Dept., Wash., D. C., received bids Jan. 20, building 2 story double quarters for officers at U. S. Naval Training Sta. (work complete), from J. Meltzer, 31 Beach St., Boston, Mass., $21,798 (60 days); T. F. Keeher, Wights Wharf, $25,658 (128 days); H. S. Roberts & Co., 1123 Bway., New York City, $26,900 (60 days). Noted Jan. 16.

★**N. Y., Brooklyn**—Extension "A" to Power Plant—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract, to Franco-Amer. Constr. Co., 150 Nassau St., New York City, $88,881 (150 days). Noted Jan. 9.

N. Y., Buffalo—Post Office—J. A. Wetmore, superv. archt., treas. dept., Wash., D. C., received bids Jan. 17, from W. D. Lovell, 1415 Southeast 8th St., Minneapolis, Minn., $62,878; C. Weitz, 713 Mulberry St., Des Moines, Ia., $67,490; J. H. Weiss, City Natl. Bank Bldg., Omaha, Neb., $74,600.

N. Y., Cohoes—Post Office—J. A. Wetmore, superv. archt., treas. dept., Wash., D. C., received bids Jan. 17, (1) limestone (2) sandstone, from C. P. Boland, 30 4th St., Troy, (informal bid) $97,400; E. Diebitsch, 383 Madison Ave., New York City, (1) $99,721 (2) $101,000; A. Panzieri Co., 50 Beaver St., Albany, (1) $115,000 (2) $116,000. Noted Dec. 5.

N. Y., Long Island—Post Office—J. A. Wetmore, superv. archt., treas. dept., Wash., D. C., received bids Jan. 15, (1) limestone (2) sandstone, from Connor Bros. Co., New York City, (1) $229,450 (2) $233,000; E. Diebitsch, 383 Madison Ave., New York City, (1) $233,000 (2) $234,000; T. H. McHale, Cahill Bldg., Syracuse, (1) $234,000 (2) $234,900. Noted Dec. 5.

N. Y., Oswego—Post Office—J. A. Wetmore, superv. archt., treas. dept., Wash., D. C., received bids Jan. 20, (1) limestone. (2) sandstone, from A. E. Badgley, Stone Opera House Bldg., Binghamton, (1) $49,787, (2) $50,787; H. P. Van Ness, Oswego, (1) $56,872, (2) $56,872; Schaefer Constr. Co., Peoples Trust Bldg., Binghamton, (1) $57,370, (2) $57,796. Noted Dec. 5.

N. Y., Rockaway—Heating System—Bureau Yards & Docks, Navy Dept., Wash., D. C., received bids Jan. 20, installing heating systems in hangars C, D and E, consisting of complete heating systems, 1 story wood frame additions, concrete foundations and flooring, to each hangar (work complete), at Naval Air Sta., from Austin Heating Corp., 121 West 42nd St., New York City, $25,745 (time as specified); Amer. Fdry. & Furnace Co., 1008 Mutual Bldg., Richmond Va., $25,315 (90 days); Gillis & Gehagen, 537 West Bway, New York City, $25,936 (60 days). Noted Jan. 9.

★**N. J., New Brunswick**—Barracks, etc.—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract building barracks and sewage disposal plant here to H. S. Roberts & Co., 1122 Bway., New York City, $8441.

Pa., Franklin—Post Office—J. A. Wetmore, superv. archt., treas. dept., Wash., D. C., received bids Jan. 17, (1) limestone (2) sandstone, from W. J. Brent, 506 Bd. Trade Bldg., Norfolk, Va., (1) $96,373 (2) $94,979; Westchester Eng. Co., 116 Main St., White Plains, N. Y., & (1) $99,670 (2) $100,870; Wills Ludwick Co., 34 South 17th St., Phila., (1) $117,700 (2) $121,000. Noted Dec. 5.

Pa., McKees Rocks—Post Office—J. A. Wetmore, superv. archt., treas. dept., Wash., D. C., received bids Jan. 14 (work complete) using limestone, from Inland Constr. Co., Detroit, Mich., $75,626; C. S. Smith, 5501 Center Ave., Pittsburgh, $77,800; Wills Ludwick, 34 South 17th St., Phila., $78,980. Noted Dec. 5.

Pa., Sunbury—Post Office—J. A. Wetmore, superv. archt., treas. dept., Wash., D. C., received bids Jan. 20, (1) limestone, (2) sandstone, from A. E. Badgley, Stone Opera House, Binghamton, N. Y., (1) $85,367; Westchester Eng. Co., 116 Main St., White Plains, N. Y., (1) $90,444; W. J. Brent, 506 Bd. Trade Bldg., Norfolk, Va., (1) $91,148, (2) $91,848. Noted Dec. 5.

Federal Government Work (Continued)

Md., Indianhead—Additional Buildings, etc.—Bureau Yards & Docks, Navy Dept., Wash., D. C., received bids Jan. 20, for brick and steel press house, accumulator house Nos. 1 and 2, machine shop extension, etc., concrete foundation, at Naval Proving Ground, (1) price and time, work complete, (2) unit price per cu.yd. concrete, for foundations in addition to or less than amount shown in drawings; price shall include excavating, filling, backfilling and concrete work, from Levering & Garrigues Co., 552 West 23rd St., New York City, (1) $74,895 (175 days), (2) add $17 deduct $14; Austin Co., 1406 G St., Wash., D. C., (1) $97,495 (150 days), (2) $15 per cu. yd.; Boyle Robertson Constr. Co., 601 Evans Bldg., Wash., D. C., (1) $110,981 (170 days), (2) add $20 deduct $16.50. Noted Jan. 16.

★**D. C., Wash.**—Cranes—Bureau Yards & Docks, Navy Dept., let contract installing two 20 ton electric traveling cranes in tool shop and miscellaneous shop at Navy Yard, here, to Toledo Bridge & Crane Co., Dorr St. and Lake Shore R.R., Toledo, O., $24,000 (120 days). Noted Jan. 9.

D. C., Wash.—Hygienic Laboratory—J. A. Wetmore, superv. archt., treas. dept., Wash., D. C., received bids Jan. 14, building laboratory as follows; labor, from Boyle Robertson Constr. Co., Evans Bldg., $94,870; Natl. Contg. & Eng. Co., Wash., $96,422; J. L. Parsons, Jr., Southern Bldg., $114,234; sand and gravel, from Tidewater Portland Cement Co., Calvert Bldg., Baltimore, Md., $8673; Columbia Granite & Dredging Co., 3036 K St., N. W., sand, $1.14 per ton, broken stone, different sizes, $1.60, $2.25 and $3.40 per ton; roofing materials, from Ehret Roofing & Mfg. Co., 116 2nd St., N. W., pitch, $20 per ton and creosote oil, $.40 per gal.; Barrett Co., 36th St. and Grays Ferry Rd., Phila., coal tar pitch, $30 per ton, creosote oil, $.43½ per gal.; mill work, from Lafayette Mill & Lumber Co., Lafayette Ave. and Phila., Baltimore & Washington R.R. Baltimore, Md., $10,826; T. W. Smith Lumber Co., 1st and Indiana Sts., $10,965; Washington Wood Working Co., 200 12th St., N. W., $11,362; asphalt roofing materials, etc., from Warren Chemical & Mfg. Co., 17 Battery Pl., New York City, $46.16 per ton; Barber Asphalt Paving Co., 30th and Race Sts., Phila., $81.50 per ton for felt roofing, $46.58 for asphalt, $1.50 per square for 2 ply prepared roofing and $1.80 per square for 3 ply prepared roofing; brick, from Asher Fireproofing Co., Southern Bldg., $23,189. Noted Jan. 2.

D. C., Wash.—Sewers—Dist. Comrs., Dist. Bldg., received bids Jan. 14, building sewer involving 140 lin.ft. 7 x 7 ft. concrete sewer and 1065 lin.ft. 6 x 6 ft. concrete sewer (a) excav., (b) concrete masonry E, (c) sewer brick masonry, from G. Hyman, 2209 F St., N. W., (a) $4, (b) $12, (c) $20; Continental Contg. Co., 66 Knickerbocker Bldg., Baltimore, Md., (a) $5.25, (b) $16, (c) $32; Aiello Constr. Co., 2701 Clairmont St., Baltimore, Md., (a) $4.25, (b) $13, (c) $35. Noted Jan. 9.

★**Va., Hampton Roads**—Fence and Gates—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract building at Naval Training Sta., to Cyclone Fence Co., Woodward Bldg., Wash., D. C., $32,563 (90 days). Noted Dec. 5.

Va., Hampton Roads—Oil Storage and Reclaim Buildings, etc.—Bureau Yards & Docks, Navy Dept., Wash., D. C., received bids Jan 20, building oil storage and reclaim building and photographic laboratory, wood frame, rein.-con. flooring and foundation, at Naval Air Sta. (work complete), from H. S. Roberts & Co., 1123 Bway., New York City, $21,900 (90 days); Newport Contg. & Eng. Co., Law Bldg., Newport News, $25,500 (90 days); Harwood & Moss, 307 Law Bldg., Newport News, $26,566 (90 days). Noted Jan. 9.

★**Va., Norfolk**—Radio Buildings—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract constructing 2 radio buildings, to R. R. Richardson, Bank of Commerce Bldg., $48,950 (100 days).

Va., Portsmouth—Altering Post Office—J. A. Wetmore, superv. archt., treas. dept., Wash., D. C., received bids Jan. 15, from W. Grohne Co., Joliet, Ill., $2740 (90 days); W. MacDonald Constr. Co., St. Louis, Mo. $3294 (100 days); F. M. Weakly, Portsmouth, $3325 (60 days). Noted Dec. 26.

★**Miss., Gulfport**—Toilet and Laboratory—Local Navy Yard let contract building here, to Cherrelly & Fursden, Gulfport, $3500 (30 days). Noted Jan. 16.

★**O., Columbus**—Storage Buildings—Constr. Div., War Dept., Wash., D. C., let contract building 145 one story, 65 x 100 ft. storage buildings, rein.-con., steel and brick, to Hunkin Conkey Co., 601 Century Bldg., Cleveland. About $1,500,000.

O., Kenton—Post Office—J. A. Wetmore, superv. archt., treas. dept., Wash., D. C., received bids Jan. 15, (1) limestone (2) sandstone, from Pratt Unkefer Co., Minerva, (1) $85,800 (2) $86,600; W. D. Lovell, 1415 Southeast 8th St., Minneapolis, Minn., (1) $92,200; Krahl Constr. Co., 350 North Clark St., Chicago, (1) $94,990 (2) $84,593. Noted Dec. 5.

Ind., Shelbyville—Post Office—J. A. Wetmore, superv. archt., treas. dept., Wash., D. C., received bids Jan. 20 (work complete using limestone), from Dunlap & Co., Columbus, $57,198; W. D. Lovell, 1415 Southeast 8th St., Minneapolis, Minn., $58,800; H. G. Mitchell, Scottsburg, $59,300. Noted Dec. 26.

Ill., Decatur—Post Office—J. A. Wetmore, superv. archt., treas. dept., Wash., D. C., received bids Jan. 20 (work complete using limestone), from S. A. Plato, Marion, Ind., $55,370; A. Blair, 11 South Lawrence St., Montgomery, Ala., $55,750; **W. D. Lovell**, 1415 Southeast 8th St., Minneapolis, Minn., $58,188.

Ia., Cherokee—Post Office—J. A. Wetmore, superv. archt., treas. dept. Wash., D. C., received bids Jan. 14, (work complete) using limestone, from J. H. Wiese, City Natl. Bank Bldg., Omaha, Neb., $63,250; C. Weitz Sons, 713 Mulberry St., Des Moines, $67,727; E. A. Steininger Constr. Co., Victoria Bldg., St. Louis, Mo., $70,867. Noted Dec. 5.

Kan., Eldorado—Post Office—J. A. Wetmore, superv. archt., treas. dept., Wash., D. C., received bids, Jan. 16, (limestone) from Northern Constr. Co., Milwaukee, Wis., $62,779; W. D. Lovell, 1415 South East 8th St., $66,800; Michie Constr. Co., Milwaukee, Wis., $66,890. Noted Dec. 5.

S. D., Bellefourche—Post Office—J. A. Wetmore, superv. archt., treas. dept. Wash., D. C., received bids Jan. 15, (1) limestone (2) sandstone, from C. E. Goodhand, Chadron, Neb., (1) $67,650; W. D. Lovell, 1415 Southeast 8th St., Minneapolis, Minn., (1) $69,800 (2) $70,800; W. O'Neil & Son, Faribault, Minn., (1) $71,439. Noted Dec. 5.

Mo., Harrisonville—Post Office—J. A. Wetmore, superv. archt., treas. dept., Wash., D. C., received bids Jan. 20 (limestone), from W. D. Lovell, 1415 Southeast 8th St., Minneapolis, Minn., $62,800; C. Weitz, 713 Mulberry St., Des Moines, Ia., $69,921. Noted Dec. 5.

★**Tex., Galveston**—Shops and Industrial Buildings—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract building at Naval Air Sta., to Horton & Horton, McKing and Velasco Sts., Houston, $148,900 (180 days). Noted Jan. 9.

Okla., Shawnee—Post Office—J. A. Wetmore, superv. archt., treas. dept., Wash., D. C., received bids, Jan. 16, (limestone), from C. E. Goodhand, Chadron, Neb., $112,750; Algernon Blair, 11 South Lawrence St., Montgomery, Ala., $122,956; C. Weitz Sons, 713 Mulberry St., Des Moines, Ia., $125,685. Noted Dec. 5

Cal., Inglewood—Cottages and Sewer System—Bureau Yards & Docks, Navy Dept., Wash., D. C., received bids building 2 double cottages and one 4 room cottage; also sewer system to connect with Los Angeles city sewer, from Darrell-Condley Co., 520 March Strong Bldg., San Francisco, $19,795 (60 days) deduct $1475 if commercial plumbing fixtures are used; Walker-Slater Co., 2314 Santa Fe Ave., San Francisco, $24,500; Los Angeles Planing Mill, 1800 Industrial St., Los Angeles, $24,533 (50 days). Noted Jan. 9.

★**Cal., Mare Island**—(Vallejo P. O.)—Electric Storehouse—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract. to K. E. Parker, 251 Kearney St., San Francisco, $110,363 (135 days). Noted Oct. 24.

Cal., San Diego—Additional Buildings—Local Navy Yard received bids Jan. 13 constructing 9 additional buildings at Naval Air Sta. (work complete), from Lange & Bergstrom, Sharon Bldg., $431,180 (180 days); Clinton Constr. Co., 357 Pine St., $448,490 (200 days); Kier Constr. Co., $474,653 (230 days); all contractors of San Francisco. These bids lower than those opened at same time at Wash., D. C. See issue of Jan. 16.

Miscellaneous

PROPOSED WORK

Bank Protection—Arlington, Mass.—(Middlesex P. O.)—A. Bitzer, representative, applied to State Legislature for appropriation of $25,000 to protect banks of Mystic Lake between Arlington, Winchester and Medford Twps. Metropolitan Park Comn. favors appropriation.

Bulkhead—Boston, Mass.—Comn. Waterways & Pub. Lands applied to State Legislature for appropriation of $137,000 to build bulkhead from East Boston to Governors Island, Boston Harbor.

Pier—Boston, Mass.—Comn. Waterways & Pub. Lands applied to State Legislature for appropriation of $260,000 to complete Pier 1 at East Boston.

River and Harbor Improvements—Boston, Mass.—Comn. Waterways & Pub. Lands applied to State Legislature for appropriation of $750,000 to develop, improve and protect rivers, harbors, tidewaters, etc. in state.

Tunnel—Boston, Mass.—Comn. Waterways & Pub. Lands applied to State Legislature for appropriation of $50,000 to make surveys and prepare plans estimating cost of building tunnel from South to East Boston under Boston Harbor.

Wharf—Boston, Mass.—Comn. Waterways & Pub. Lands applied to State Legislature for $420,000 appropriation to build wharf along bulkhead at East Boston.

Tunnel—New Britain, Conn.—City plans to build 4750 lin.ft. tunnel, involving 300 lin.ft. earth excav. and 4450 lin.ft. rock excav., for purpose of diverting about 4 sq.mi. of water of Burlington Brook into Whigville Brook above Whigville Reservoir. About $350,000. W. H. Hall, city engr.

Sand, etc.—New York, N. Y.—Dept. of Highways rejected all bids received Jan. 16, furnishing and delivering 40,000 gal. gasoline and 10,000 cu.yd. asphalt wearing surface sand, grade "B." Noted Jan. 9.

Sand—New York, N. Y.—H. Bruckner, pres. Bronx Boro., received no bids Jan. 16, furnishing and delivering 5000 cu.yd. asphalt wearing surface sand. Noted Jan. 9.

Structural Steel—New York, N. Y.—Pub. Serv. Comn., 49 Lafayette St., rejected all bids received Jan. 7, supplying and erecting structural steel for Sect. 6, Route 8 of 14th St.-Eastern Dist. Rapid Transit R. R. Work will be readvertised. Noted Jan. 16.

Eliminating Grade Crossings—Syracuse, N. Y.—New York Central R.R., Grand Central Terminal, New York City, had surveys made and plans prepared for eliminating grade crossings on lines of West Shore R.R. and New York Central R. R. as they pass through city, by use of Old Erie and Oswego Canal beds. Route will be from eastern part of city to North Salina St. thence to west. G W. Kittredge, New York City, ch. engr.

Canal—Trenton, N. J.—W. E. Edge, governor, will ask Legislature to appropriate $1,000,000 for right of way for proposed ship canal from Bordentown to Perth Amboy. When right of way is assured Government will obtain congressional appropriation for waterway to complete inland route between Phila. and New York.

Pier—Baltimore, Md.—Standard Oil Co., Pier No. 2, Pratt and Commerce Sts., plans to rebuild and improve piers, 150 ft. long, concrete pile construction, 3rd and O'Donnell Sts. **About $100,000.**

Lagoons — Riverside, O. — North End Impvt. Assn plans to reclaim 30 acres adjoining Riverside Park now covered with water and build system of lagoons; also dredge bay to allow entrance of boats with 10 ft. draft. This is preliminary work in connection with improvement of Riverside Park. W. Hall, pres.

Electric Lighting Equipment—Kinde, Mich.—Village voted $10,000 bonds to purchase and install electric lighting equipment.

Lighting Systems—Lansing, Mich.—City authorized $25,000 bonds for purchasing and installing extensions to present boulevard lighting systems. J. A. Parsons, city clk.

Recreation Center, etc.—Chicago, Ill.—Comr. Pub. Wks., 406 City Hall, receives bids in spring building recreation center and bathing beach on 75th St. Project includes 1 and 2 story rein.-con. social center building to contain gymnasium, winter pool, etc. About $650,000. C. W. Kallal, City Hall, archt.

Miscellaneous (Continued)

Pipe Line—Woodriver, Ill.—See "Industrial Works."

Grand Stand—West Allis, Wis.—Wisconsin Dept. Agriculture, Madison, plans to build rein.-con. addition to grand stand at State Fair Park. About $100,000. C. P. Norgord, Madison, comr.

Pipe Line—Dallas, Tex.—Lone Star Gas Co. plans to build pipe line from west Texas gas fields to point between Dallas and Ft. Worth. About $4,000,000.

Penstock, etc.—Helper, Utah—City plans to rebuild penstock and intake works for hydroelectric plant recently destroyed by flood. About $10,000.

Wharf, etc.—Seattle, Wash.—See "Industrial Works."

Dry Dock—Portland, Ore.—Dock Comn. appointed H. Burgard and F. C. Knapp to arrange for site to build 12,000 ton timber dry dock on property of St. John's Municipal Terminal. About $900,000 will be expended for project. J. B. Hegardt, care of Dock Com., engr.

Transmission Line—El Centro, Cal.—Southern Sierras Power Co., Riverside, soon receives bids building 30 mi. line between here and Calexico. About $35,000. A. B. West, Riverside, genl. mgr.

Power Development, etc.—Los Angeles, Cal.—Southern California Edison Co., 301 South Bway., plans to expend $20,000,000 to develop 150,000 additional horse power in hydro-electric plants, building transmission and distribution lines throughout southern California. W. Dennis, ch. engr.

Subway, etc.—Los Angeles, Cal.—Historical Society of Southwest, Ave. 46 and Marmion Way, having plans prepared by Hunt & Burns, archts., 701 Laughlin Bldg., for 100 ft. concrete subway, 75 ft. concrete elevator shaft and elevator at Southwest Museum. About $30,000.

Garbage Incinerator—Sacramento, Cal.—City election Apr. 30, to vote on $143,000 bonds to build garbage incinerator. F. C. Miller, city engr.

Wharf and Warehouse—Sacramento, Cal.—City election Apr. 30, to vote on $160,000 bonds to build rein.-con. wharf and warehouse. F. C. Miller, city engr.

BIDS DESIRED

Additional Window Guards—Bedford Hills, N. Y.—Until Feb. 14, by W. G. Barrett, pres. bd. mgrs., New York State Reformatory for Women, Bedford Hills, building additional window guards for 2 cottages of farm group; advertised in this issue.

Boilers and Piping, etc.—Utica, N. Y.—Until Feb. 11, by State Hospital Comn., Albany, installing in power plant at Utica State Hospital. About $75,000. Noted Jan. 16.

Pier—Phila., Pa.—Until Feb. 14, by G. Webster, dir. dept. wharves, docks & ferries, 550 Bourse Bldg., for building with appurtenant work, Kenilworth St. Pier, No. 30 South Delaware. Advertised in this issue.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★Garbage Incinerator—Bridgeport, Conn.—C. C. Fischer & Co., Asylum St., will rebuild garbage plant recently destroyed by fire. Work will be done by day labor. About $35,000. Noted Jan. 9.

Cement, Sand, etc.—New York, N. Y.—H. Bruckner, pres. Bronx Boro., received bids Jan. 16, furnishing and delivering 750 tons asphaltic cement, from Warner Quinlan Asphalt Co., 79 Wall St., $16,853; Standard Oil Co., 26 Bway., $23,250; Texas Co., 17 Battery Pl., $29,933; 25 tons of paving pitch, from Barrett Co., 17 Battery Pl., $500; 800 tons limestone dust or other suitable inorganic dust, from R. M. Soper, 39 Cortland St., $7760; New York Trap Rock Corp., 101 Park Ave., $7800; 9500 cu.yd. sand grits, from Amer. Bldg. Material Co., Kingsbridge, $13,704; Willard Sand & Gravel Co., 110 East 23rd St., $16,625; 2000 bags binder stone, from New York Trap Rock Corp., 101 Park Ave., $5200; C. Tompkins, 30 Church St., $4700; 2000 bags Portland cement, from J. A. McCarthy & Bros., 551 Exterior St., $1750; J. P. Duffy Co., 207 East 138th St., $1780; G. B. Raymond, 293 Borden Ave., Long Island City, $1790; 4500 cu.yd. 1½ in. broken trap rock stone and 2000 cu.yd. broken trap rock stone screenings, from New York Trap Rock Corp., 101 Park Ave., $17,420; New Haven Trap Rock Corp., 17 Battery Pl., $19,475; Lanigan Bros. Inc., Bronx River and 165th St., $21,125; 10,000 gal. bituminous road surfacing material, from Barrett Co., 17 Battery Pl., $2000; 150,000 gal. tar road oil, from Barrett Co., 17 Battery Pl., $19,500; 250,000 gal. asphalt road oil, from Atlantic Refinery Co., 3144 Passyunk St., Phila., Pa., $18,500; Warner Quinlan Co., 79 Wall St., $19,800; Standard Oil Co., 26 Bway., $26,625. Noted Jan. 9.

★Portland Cement, Asphalt, etc.—New York, N. Y.—Dept. of Highways let contract furnishing and delivering 200,000 gal. refined asphalt to Warner Quinlan Co., 79 Wall St., $14,640; 10,000 bags Portland cement, to J. A. McCarthy, 651 Exterior St., $8500; 1500 tons limestone dust and 2500 cu.yd. binder stone, to New York Trap Rock Co., 101 Park Ave., $10,650 and $4750 respectively; 300,000 wood paving blocks, to Amer. Creosoting Co., 17 Battery Pl., $14,391. Noted Jan. 9.

Heating, Plumbing, etc.—Sonyea, N. Y.—P. L. Lang, pres. bd. mgrs., Craig-Colony for Epileptics, received bids Jan. 14, installing heating system in dining room and kitchen buildings, from E. Towe, 32 Oak St., Rochester, $7200; Austin Heating Co., New York City, $8875; Murtaugh & Reddington, 26 Pleasant St., Rochester, $8987; sanitary work, from Howe & Bassett, 23 Stillson St., Rochester, $13,590; G. E. Eng. Co., 417 Canal St., New York City, $13,628; J. J. Kenney Co., 236 West 20th St., New York City, $14,000. Noted Jan. 9.

Sand, etc.—Jersey City, N. J.—Dept. Parks & Pub. Impvts. received bids furnishing and delivering sand, lime, cement, etc., from F. Hall Co., Henderson St., Washburn Bros., foot Jersey Ave., and Eng. Supply & Erection Co., 22 Hudson St. Noted Dec. 26.

Electrical Appliances—Portland, Ore.—Dock Comn. received bids, Dec. 30, installing at Pier No. 1, St. John's Terminal, from Natl. Electric Co., Ry. Exch. Bldg., $17,422; Jaggar-Sroufe Co., 103 West Park St., $20,190; Ne Page-McKenny & Co., 388 Burnside St., $20,612.

★Dam—Montreal, Que.—Quebec Streams Comn., 50 Notre Dame St. E., let contract building storage dam, to Laurentian Power Co., Beaupre. About $50,000. Noted May 2.

BARGE CANAL WORK—ALBANY, N. Y.

CONTRACT 197

Bids were received by W. W. Wotherspoon, supt. pub. wks., Capitol, Jan. 14th, for drilling holes in sill of dam and toe of river wall of lock near Rotterdam, and making necessary repairs, Erie, Oswego and Champlain Canals, from (A) J. W. Holler, Ft. Edward; (B) Stewart Bros., 143 Bruce St., Schenectady; (C) American Pipe & Constr. Co., 112 North Broad St., Phila., Pa.; (D) Troy Public Works, Utica, $37,731. The unit bids of the lowest 3 bidders were as follows:

	A	B	C
200 lin. ft. drilling 3-in. exploratory holes	$6 25	$7 00	$7 10
110 linft. drilling 8-in. filling holes shown on plans	12 00	14 00	14 50
Diverting dams (lump sum)	5,250 00	4,200 00	12,500 00
Contingent Items			
500 lin.ft. drilling 3-in. holes	4 00	4 50	4 50
300 lin.ft. drilling 8-in. filling holes not shown on plans	10 00	11 50	12 00
600 cu.yd. gravel	1 50	1 70	1.60
600 cu.yd. sand	2 75	3 20	2.60
2,600 bbl. Portland cement	3 40	3 20	3.20
600 cu.yd. mixing and placing concrete	2 75	3 20	3.00
400 cu.yd. mixing and placing grout	4 80	5 80	5.75
Extended totals	$27,780.00	$28,340.00	$36,305.00

CONTRACT 102

Bids were received by W. W. Wotherspoon, supt. pub. wks., Capitol, Jan. 14th, for furnishing and installing two 3 ton electric semiportal revolving jib cranes on Pier 6, East River, New York City, from (A) E. F. Terry Mfg. Co., Grand Central Terminal, New York City (awarded contract); (B) Lord Electric Co., 105 West 40th St., New York City; (C) Morrison & Davis, Salem, Mass.; (D) Wellman, Seaver, Morgan Co., Cleveland, Ohio, $55,762; (E) Heyl & Peterson, Inc., 51 Water St., Pittsburgh, Pa., $68,431. The unit bids of the lowest 3 bidders were as follows:

	A	B	C
84,000 lb. structural steel	$0.09	$0 12	$0.12
61,000 lb. machinery	.29	.33	.35
690 sq.ft. galvanized steel plate	.70	.65	.60
0.3 M.ft.b.m. sawed lumber	100.00	110 00	100 00
330 sq.ft. asbestos lumber	.50	.65	.60
5 cu.yd. concrete	25 90	28 00	25 00
157 sq.ft. solid metal windows	1.00	1 05	1 00
67 sq.ft. steel doors	3.00	4 25	4 00
400 sq.ft. ceiling board	.30	.32	.30
2,600 lb. metal duct	.25	.32	.30
2 electrical equipments	6,700 00	8,350 00	9,000 00
2 miscellaneous accessories	200 00	255 00	235 00
2 acceptance tests	50 00	50 00	50 00
Extended totals	$41,081 00	$49,766.00	$52,092.00

CONTRACT T

Bids were received by W. W. Wotherspoon, supt. pub. wks., Capitol, Jan. 14th, for extending core wall and other work at north end of Dam No. 2, Seneca Falls, Cayuga and Seneca Canals, from (A) Kennedy & Scullen Constr. Co., Cohoes; (B) Mohawk Dock & Dredge Co., Inc., Herkimer; (C) Charles Kiehm, 26 Gardner Bldg., Utica; (D) Bronk & Kimmey, Hudson Falls, $25,915; (E) J. A. Laporte, Box 28A, Albany, $27,317; (F) Scott Bros., Rome, $28,000; (G) Acker Drilling Co., Scranton, Pa., $32,514. The unit bids of the lowest 3 bidders were as follows:

	A	B	C
870 cu.yd. excavation	$2 25	$2 00	$2.25
740 cu.yd. backfill	50	50	.40
21.4 M.ft.b.m. sheeting and bracing	95 00	50 00	95.00
120 cu.yd. 2nd-class concrete	14 50	15 00	14.40
Contingent Items			
900 cu.yd. excavation	2 00	2 00	2.00
760 cu.yd. backfill	50	50	.40
26 M.ft.b.m. sheeting and bracing	95 00	50 00	95.00
150 cu.yd. 2nd-class concrete	14 50	15 00	14.40
1 Furnishing, installing and removing plant for drilling and grouting (lump sum)	1,200 00	2,000.00	1,200.00
1,900 lin.ft. drilling holes	3 00	3 60	3.60
500 bbl. Portland cement for grout	4 25	4 50	3.50
150 cu.yd. sand for grout	1 00	1 50	1.20
200 cu.yd. mixing and placing grout	1 00	1 50	1.20
Extended totals	$22,301 00	$22,325.00	$22,959.00

SEARCHLIGHT SECTION

PROPOSALS

Bids: Feb. 18 & 19.

Canal Improvements

STATE OF NEW YORK
OFFICE OF SUPERINTENDENT OF PUBLIC WORKS

Albany, N. Y.

Sealed proposals will be received by the undersigned at his office in the Capitol at Albany, N. Y., until twelve o'clock noon of Tuesday, February 18, 1919, at which place and hour they will be publicly opened and read, for the improvement of the State canals as authorized by Chapter 147 of the Laws of 1903 and amendatory laws, and Chapter 391 of the Laws of 1909; and for the construction of Barge canal terminals pursuant to the provisions of Chapter 746 of the Laws of 1911, as follows:

TERMINAL CONTRACT NO. 57

For constructing certain parts of an approach from Court Street and South Avenue to the Barge canal terminal at Rochester.

Contract plans, sheets 1 to 10 inclusive.

TERMINAL CONTRACT NO. 69

For protecting the shore of Erie Basin between Lake Street and Slip No. 1, at Buffalo.

Contract plans, sheets 1 and 2.

TERMINAL CONTRACT NO. 107

For installing electric wiring, lighting, power and battery charging equipment for the canal terminal at Erie Basin, Buffalo.

Contract plans, sheets 1 to 10 inclusive.

TERMINAL CONTRACT NO. 223

For constructing a Barge canal terminal freight-shed at Greenpoint, Brooklyn, New York City.

Contract plans, sheets 1 to 11 inclusive.

And until twelve o'clock noon of Wednesday, February 19, 1919, for the following pieces of work:

CONTRACT NO. 200
Erie Canal—Sections 9 and 10

For driving steel sheet piling, placing concrete lining and incidental work between Rochester and Lockport.

Sheets 1 to 5 inclusive.

CONTRACT NO. 201
Erie Canal—Section 9

For completing the concrete prism lining at Cartersville and constructing a stream entrance near Knapp's bridge.

Sheets 1 to 3 inclusive.

CONTRACT Q
Cayuga and Seneca Canal—Section 1

For constructing pile dolphins for aids to navigation on Cayuga and Seneca lakes.

Sheets 1 to 5 inclusive.

Plans may be seen and detailed specifications, engineer's estimate of quantities, proposal blanks, form of contract and bonds required and other information for proposers may be had at the office of the Superintendent of Public Works at Albany, N. Y., at the office of the Assistant Superintendent of Public Works for the Middle Division at Syracuse, N. Y., at the office of the Assistant Superintendent of Public Works for the Western Division at Rochester, N. Y., at the canal office, Spaulding's Exchange, Buffalo, N. Y., and at the office of the State Engineer and Surveyor.

Copies of detailed plans or drawings may be obtained from the State Engineer and Surveyor at Albany, N. Y., upon payment to him of the cost of producing them.

Monthly estimates will be paid of ninety per centum (90%) of the work done at the contract price. Every proposal for said work must be accompanied by a money deposit in the form of a draft or certified check upon some good banking institution in the city of Albany or New York, issued by a national or state bank (or trust company in the case of terminal contract) in good credit within the state and payable at sight to the Superintendent of Public Works for five per centum (5%) of the amount of the proposal.

The person whose proposal shall be accepted will be required to execute a contract and furnish bonds within ten days from the date of notice of award delivered to him or them in person or mailed to the address given in the proposal.

Upon execution of the contract and approval of bonds, the certified check or draft will be returned to the proposer unless the same shall have been presented for collection prior to such time, in which case the amount of the deposit will be refunded by the Superintendent of Public Works.

The deposits of bidders other than the one to whom the award of contract shall be made will be returned immediately after the award has been made.

The bond required for the faithful performance of each contract shall be in such sum as shall be fixed by the Superintendent of Public Works, which sum shall not be less than twenty per centum (20%) of the estimated cost of the work according to the contract price, and an additional bond, known as the labor bond, in the sum of ten per centum (10%) of the amount of the estimated cost of the work according to the contract price, will be required as security that the contractor will pay in full at least once in each month all laborers employed by him upon the work specified to be done in the contract.

In the event that more than one surety company is offered as surety on said bonds co-insurance only will be accepted.

Each proposal must be addressed to the Superintendent of Public Works, Albany, N. Y., and must be endorsed on the envelope with the name of the construction for which the proposal is made.

Award, if made, will be made to the person or persons whose proposal shall be lowest in cost to the State for doing the work, and which shall comply with all provisions required to render it formal. Before any award shall be made the lowest bidder will be required to satisfy the Superintendent of Public Works of his ability to provide suitable equipment and materials for the proper performance of the work.

The right is reserved to reject all proposals and readvertise and award the contract in the regular manner if, in the judgment of the undersigned, the interests of the State will be enhanced thereby.

W. W. WOTHERSPOON,
Superintendent of Public Works.

January 15, 1919.

Official Proposals

Price, $3.60 an inch—Copy can be received until Wednesday, 10 a.m., for issue out the next morning.

The publication of an advertisement on this page is an official notice that bids are wanted from other than local bidders.

It is also a guarantee that maximum competition is invited because Engineering News-Record is the *one* nationally recognized medium for Proposal advertising. Its Searchlight Section is read each week by nearly every worth-while contractor in this country who bids on public work outside his own city.

PROPOSALS

Bids: Feb. 6.

Sewerage System Improvement

Syracuse, N. Y.

Sealed proposals for contract No. 27 for the construction of Divisions 3, 4 and 5, Onondaga creek improvement and the main intercepting sewer, will be received until 2 o'clock P.M., February 6, 1919, at the office of the Syracuse Intercepting Sewer Board, 104 City Hall, Syracuse, N. Y. The work embraces approximately 2 miles of creek improvement and 1.3 miles of intercepting sewer. Proposals may be made under three alternatives which cover the whole or proportions of the work. The principal items of the whole work are 111,500 cu.yd. excavation and 18,000 cu.yd. concrete. This contract is to continue the work started under a contract which was cancelled on account of the war. The Board has in its possession to be used upon the new contract practically all of the reinforced concrete pipe which has been manufactured for the sewer and its lying on the site thereof. The Board also has cast iron siphons, a traveling concrete mixer and 4 flat cars for use upon the n w contract. Proposals must be made on blanks to be furnished upon application and must be accompanied by a New York draft or certified check for $5,000 or $10,000 for each division for which a bid is submitted. Drawings, specifications and form of proposals and contract are on file in the offices of the Board. Copies may be obtained by depositing $10 to insure their return in acceptable condition on or before February 15, 1919.

HARRY J. HAMLIN,
Secretary.

PROPOSALS FOR TURBINES, PUMP SET, FEED WATER HEATER, AND ELECTRIC LIGHT PLANT.—Office, Mississippi River Commission, 1st and 2nd Districts, Custom House, Memphis, Tenn. Sealed proposals will be received here until 11 a.m., Feb. 4, 1919, and then opened, for furnishing turbines, pump set, feed water heater, and electric light plant, for hydraulic grader No. 1820. Further information on application.